

NEWPATH MULTIMEDIA SCIENCE LESSON OUTLINES

LIFE SCIENCE MULTIMEDIA LESSONS - MIDDLE SCHOOL GR. 6-9

Osmosis and Diffusion: Cell Transport		https://newpathlive.com/oi
Cell Transport		
	Cell Membrane	https://newpathlive.com/ok
	Cell Membrane Composition	https://newpathlive.com/ol
	Semi-Permeable Cell Membrane	https://newpathlive.com/om
Diffusion		
	Function of Diffusion	https://newpathlive.com/oo
	What Is Diffusion?	https://newpathlive.com/op
	Oxygen Diffusion in the Lungs	https://newpathlive.com/oq
Osmosis - The Diffusion of Water		
	Importance of Osmosis	https://newpathlive.com/os
	What Is Osmosis?	https://newpathlive.com/ot
Pause and Interact		
	Review	https://newpathlive.com/ov
Passive and Active Transport		
	What Is Passive Transport?	https://newpathlive.com/ox
	Facilitated Diffusion	https://newpathlive.com/oy
	What Is Active Transport?	https://newpathlive.com/oz
	Active Transport in Plant Roots	https://newpathlive.com/p0
Pause and Interact		
	Review	https://newpathlive.com/p2
Vocabulary Review		
	Vocabulary Matching Review	https://newpathlive.com/p4
Virtual Investigation		
	Viewing Osmosis in Action	https://newpathlive.com/p6
Assessment		
	Osmosis	https://newpathlive.com/p8

Photosynthesis and Respiration		https://newpathlive.com/qx
	Cell Energy	
	The Sun Is the Main Source of Energy	https://newpathlive.com/qz
	How Do Organisms Obtain Energy?	https://newpathlive.com/r0
	Autotrophs and Heterotrophs	https://newpathlive.com/r1
Overview of Photosynthesis		
	What Is Photosynthesis?	https://newpathlive.com/r3
	Plants Need Water and Carbon Dioxide	https://newpathlive.com/r4
	Plants Produce Oxygen and Food	https://newpathlive.com/r5
Leaf Structure and Photosynthesis		
	Where Does Photosynthesis Occur?	https://newpathlive.com/r7
	Chloroplasts	https://newpathlive.com/r8
	Chlorophyll	https://newpathlive.com/r9
	Water Movement to the Leaves	https://newpathlive.com/ra
	Leaf Stomata and Carbon Dioxide	https://newpathlive.com/rb
	Guard Cells Respond to the Environment	https://newpathlive.com/rc
	Pore Is Open in Daylight	https://newpathlive.com/rd
Process of Photosynthesis		
	Chemical Equation for Photosynthesis	https://newpathlive.com/rf
	Stage One of Photosynthesis	https://newpathlive.com/rg
	Water and Oxygen in Stage One	https://newpathlive.com/rh
	Stage Two of Photosynthesis	https://newpathlive.com/ri
	How Does the Plant Use Glucose?	https://newpathlive.com/rj
	Oxygen Produced and Released	https://newpathlive.com/rk
Pause and Interact		
	Review	https://newpathlive.com/rm
	Chemical Equation for Photosynthesis	https://newpathlive.com/rn

		Photosynthesis	https://newpathlive.com/ro
Overview of Cellular Respiration			
		What Is Cellular Respiration?	https://newpathlive.com/rq
		Who Uses Cellular Respiration?	https://newpathlive.com/rr
		Cellular Respiration Equation	https://newpathlive.com/rs
Process of Cellular Respiration			
		Two Stages of Cellular Respiration	https://newpathlive.com/ru
		Stage One of Cellular Respiration	https://newpathlive.com/rv
		Stage Two of Cellular Respiration	https://newpathlive.com/rw
		Energy and Cellular Respiration	https://newpathlive.com/rx
		What is ATP?	https://newpathlive.com/ry
		Products of Cellular Respiration	https://newpathlive.com/rz
Pause and Interact			
		Review	https://newpathlive.com/s1
		Chemical Equation for Cellular Respiration	https://newpathlive.com/s2
		Cellular Respiration	https://newpathlive.com/s3
Connection between Photosynthesis and Respiration			
		Opposite Processes	https://newpathlive.com/s5
		Comparing Equations	https://newpathlive.com/s6
		Cycle of Oxygen and Carbon Dioxide	https://newpathlive.com/s7
Fermentation			
		What Is Fermentation?	https://newpathlive.com/s9
		Alcoholic Fermentation	https://newpathlive.com/sa
		What Does Yeast Do in Bread Dough?	https://newpathlive.com/sb
		Lactic Acid Fermentation	https://newpathlive.com/sc
		Lactic Acid and Sore Muscles	https://newpathlive.com/sd
Pause and Interact			
		Review	https://newpathlive.com/sf

	Vocabulary Review	https://newpathlive.com/sg
	Vocabulary Matching Review	https://newpathlive.com/sh
	Virtual Investigation	
	The Effects of Carbon Dioxide and Light on Photosynthesis	https://newpathlive.com/sj
	Assessment	
	Photosynthesis	https://newpathlive.com/sl
	Cells	https://newpathlive.com/2q
	Discovering Cells	
	Animal Cell	https://newpathlive.com/2s
	Robert Hooke	https://newpathlive.com/2t
	Cork Cells	https://newpathlive.com/2u
	Pause and Interact	
	Animal Cell	https://newpathlive.com/2w
	Drag and Drop Animal Cell	https://newpathlive.com/2x
	Pause and Interact	
	Plant Cell	https://newpathlive.com/2z
	Drag and Drop Plant Cell	https://newpathlive.com/30
	Organization of Cells	
	One-Celled Organism-Amoeba	https://newpathlive.com/32
	Cell Tissues	https://newpathlive.com/33
	Organs and Organ Systems	https://newpathlive.com/34
	Pause and Interact	
	Graphic Organizer	https://newpathlive.com/36
	Specialized Cells	
	Cell Types	https://newpathlive.com/38
	Cell Size	https://newpathlive.com/39

	Pause and Interact	
	Graphic Organizer	https://newpathlive.com/3b
	Vocabulary Review	
	Vocabulary Matching Review	https://newpathlive.com/3d
	Virtual Investigation	
	Comparing Plant and Animal Cells	https://newpathlive.com/3f
	Assessment	
	Cells	https://newpathlive.com/3h
	Meiosis	https://newpathlive.com/kr
	Sexual Reproduction	
	Sex Cells - Sperm and Eggs	https://newpathlive.com/kt
	Egg Fertilization	https://newpathlive.com/ku
	Sex Cell Chromosomes	https://newpathlive.com/kv
	The Zygote	https://newpathlive.com/kw
	Meiosis Overview	
	Meiosis Overview	https://newpathlive.com/ky
	Meiosis I Overview	https://newpathlive.com/kz
	Meiosis II Overview	https://newpathlive.com/l0
	Meiosis I	
	DNA Replication	https://newpathlive.com/l2
	Prophase I	https://newpathlive.com/l3
	Synapsis	https://newpathlive.com/l4
	Metaphase I	https://newpathlive.com/l5
	Anaphase I	https://newpathlive.com/l6
	Telophase I and Cell Division	https://newpathlive.com/l7
	End of Meiosis I	https://newpathlive.com/l8
	Entire Process of Meiosis I Animation	https://newpathlive.com/l9
	Meiosis II	

	Beginning of Meiosis II	https://newpathlive.com/lb
	Prophase II	https://newpathlive.com/lc
	Metaphase II	https://newpathlive.com/ld
	Anaphase II	https://newpathlive.com/le
	Telophase II and Cell Division	https://newpathlive.com/lf
	End of Meiosis II	https://newpathlive.com/lg
	Sex Cells and Polar Bodies	https://newpathlive.com/lh
	Entire Process of Meiosis II Animation	https://newpathlive.com/li
	Pause and Interact	
	Review	https://newpathlive.com/lk
	Meiosis I Phases	https://newpathlive.com/ll
	Meiosis II Phases	https://newpathlive.com/lm
	Crossing-Over	
	Homologous Chromosomes	https://newpathlive.com/lo
	Crossing-Over	https://newpathlive.com/lp
	Crossed-Over Genes	https://newpathlive.com/lq
	Offspring Variation	https://newpathlive.com/lr
	Comparing Mitosis and Meiosis	
	Mitosis and Meiosis Overview	https://newpathlive.com/lt
	Comparing Mitosis and Meiosis	https://newpathlive.com/lu
	Number of Chromosomes	https://newpathlive.com/lv
	Daughter Cells and Sex Cells	https://newpathlive.com/lw
	Pause and Interact	
	Review	https://newpathlive.com/ly
	Vocabulary Review	
	Meiosis Vocabulary Matching	https://newpathlive.com/m0
	Virtual Investigation	
	Build the Phases of Meiosis	https://newpathlive.com/m2

	Assessment	
	Meiosis	https://newpathlive.com/m4
	Mitosis	https://newpathlive.com/nj
	The Cell Cycle	
	Life Cycle of a Cell	https://newpathlive.com/nl
	What Is the Cell Cycle?	https://newpathlive.com/nm
	Two Steps of Cell Division	https://newpathlive.com/nn
	Mitosis and Cytokinesis	https://newpathlive.com/no
	Chromosomes	
	Location of Chromosomes	https://newpathlive.com/ng
	Chromosomes Contain Genes	https://newpathlive.com/nr
	Species and Chromosome Number	https://newpathlive.com/ns
	Pause and Interact	
	Review	https://newpathlive.com/nu
	Mitosis	
	Scientists Observe Mitosis	https://newpathlive.com/nw
	What Is Mitosis?	https://newpathlive.com/nx
	Production of Identical Daughter Cells	https://newpathlive.com/ny
	Phases of Mitosis	https://newpathlive.com/nz
	Phases of Mitosis	
	Interphase	https://newpathlive.com/o1
	Prophase	https://newpathlive.com/o2
	Metaphase	https://newpathlive.com/o3
	Anaphase	https://newpathlive.com/o4
	Telophase	https://newpathlive.com/o5
	Cytokinesis – Division of the Cytoplasm	https://newpathlive.com/o6
	Comparing Plant and Animal Cell Mitosis	

		Mitosis in Plants	https://newpathlive.com/o8
		Plants Form Cell Plates	https://newpathlive.com/o9
		Pause and Interact	
		Review	https://newpathlive.com/ob
		Vocabulary Review	
		Vocabulary Matching Review	https://newpathlive.com/od
		Virtual Investigation	
		Comparing Mitosis in Plant & Animal Cells	https://newpathlive.com/of
		Assessment	
		Mitosis	https://newpathlive.com/oh
		Genetics: The Study of Heredity	https://newpathlive.com/hl
		How Traits Are Inherited	
		What Is Heredity?	https://newpathlive.com/hn
		Fertilization	https://newpathlive.com/ho
		Chromosomes Inherited from Each Parent	https://newpathlive.com/hp
		Two Copies of Each Gene	https://newpathlive.com/hq
		Alternate Gene Forms	https://newpathlive.com/hr
		Homozygous and Heterozygous Alleles	https://newpathlive.com/hs
		Gregor Mendel	
		Significance of Mendel's Experiments	https://newpathlive.com/hu
		Why Use the Pea Plant?	https://newpathlive.com/hv
		Two Forms of Pea Plant Characteristics	https://newpathlive.com/hw
		Mendel's Experiments	
		True-Breeding Plants	https://newpathlive.com/hy
		P Generation Cross	https://newpathlive.com/hz
		F1 Offspring	https://newpathlive.com/i0
		F1 Generation Cross	https://newpathlive.com/i1

	F2 Generation	https://newpathlive.com/i2
	Mendel's Hypothesis	https://newpathlive.com/i3
	Modern Understanding of Mendel's Hypothesis	https://newpathlive.com/i4
Dominant and Recessive		
	What Is an Allele?	https://newpathlive.com/i6
	Notation of Alleles	https://newpathlive.com/i7
	Alleles and Traits	https://newpathlive.com/i8
	Alleles Determine Traits	https://newpathlive.com/i9
Using a Punnett Square		
	What Is a Punnett Square?	https://newpathlive.com/ib
	Information for a Punnett Square	https://newpathlive.com/ic
	Drawing a Punnett Square	https://newpathlive.com/id
	Parental Alleles on a Punnett Square	https://newpathlive.com/ie
	Filling in a Punnett Square	https://newpathlive.com/if
	Completed Punnett Square	https://newpathlive.com/ig
	Allele Combinations and the Punnett Square	https://newpathlive.com/ih
	Probability and the Punnett Square	https://newpathlive.com/ii
Pause and Interact		
	Review	https://newpathlive.com/ik
	Understanding a Punnett Square	https://newpathlive.com/il
Phenotypes and Genotypes		
	What Are Genotypes and Phenotypes?	https://newpathlive.com/in
	Dominant and Recessive Phenotypes	https://newpathlive.com/io
	BB x bb Cross	https://newpathlive.com/ip
	BB x Bb Cross	https://newpathlive.com/iq
	Bb x Bb Cross	https://newpathlive.com/ir
	Probability for a Bb x Bb Cross	https://newpathlive.com/is

Making a Pedigree		
	What Is a Pedigree?	https://newpathlive.com/iu
	Parts of a Pedigree	https://newpathlive.com/iv
Codominance		
	Mendel's Pea Plant Characteristics	https://newpathlive.com/ix
	What Are Codominant Alleles?	https://newpathlive.com/iy
	Expression of Codominant Alleles	https://newpathlive.com/iz
	Symbols for Codominant Alleles	https://newpathlive.com/j0
Pause and Interact		
	Review	https://newpathlive.com/j2
Vocabulary Review		
	Genetics Vocabulary Matching	https://newpathlive.com/j4
Virtual Investigation		
	Mendel's Pea Plant Experiments	https://newpathlive.com/j6
Assessment		
	Genetics	https://newpathlive.com/j8
Chromosomes, Genes and DNA		https://newpathlive.com/4n
Chromosomes		
	Chromosome Location	https://newpathlive.com/4p
	Composition of Chromosomes	https://newpathlive.com/4q
	Four Nitrogen Bases	https://newpathlive.com/4r
	What Is a Gene?	https://newpathlive.com/4s
	Number of Human Genes	https://newpathlive.com/4t
	Chromosome Number in Humans	https://newpathlive.com/4u
Genes		
	Function of a Gene	https://newpathlive.com/4w
	DNA Sequence	https://newpathlive.com/4x

	What Is a Trait?	https://newpathlive.com/4y
	Alleles	https://newpathlive.com/4z
	Multiple Alleles	https://newpathlive.com/50
DNA		
	DNA Shape and Composition	https://newpathlive.com/52
	Parts of a Nucleotide	https://newpathlive.com/53
	Complementary Base Pairs	https://newpathlive.com/54
	Role of DNA in Replication	https://newpathlive.com/55
	Role of DNA in Transcription	https://newpathlive.com/56
Pause and Interact		
	Review	https://newpathlive.com/58
	Chromosome and DNA Structure	https://newpathlive.com/59
Overview: From DNA to Protein		
	Protein Formation	https://newpathlive.com/5b
Pause and Interact		
	From DNA to Protein	https://newpathlive.com/5d
DNA Transcription: DNA to RNA		
	Process of Transcription	https://newpathlive.com/5f
	DNA Unwinds	https://newpathlive.com/5g
	Formation of RNA	https://newpathlive.com/5h
	RNA Contains Uracil, Not Thymine	https://newpathlive.com/5i
	RNA Travels to the Cytoplasm	https://newpathlive.com/5j
Translation: RNA to Protein		
	What Is Translation?	https://newpathlive.com/5l
	Messenger RNA Attaches to a Ribosome	https://newpathlive.com/5m
	Messenger RNA Codons	https://newpathlive.com/5n
	Transfer RNA	https://newpathlive.com/5o
	Anticodons	https://newpathlive.com/5p

		Amino Acid Chain	https://newpathlive.com/5q
		Transfer RNA Molecules Work Together	https://newpathlive.com/5r
	The Genetic Code		
		What Is the Genetic Code?	https://newpathlive.com/5t
		UUC Codes for Phenylalanine	https://newpathlive.com/5u
		Genetic Code Table	https://newpathlive.com/5v
		Universal Nature of the Genetic Code	https://newpathlive.com/5w
	Pause and Interact		https://newpathlive.com/5x
		Review	https://newpathlive.com/5y
		Deciphering the DNA Code	https://newpathlive.com/5z
	Mutations		
		What Is a Mutation?	https://newpathlive.com/61
		Types of Mutations	https://newpathlive.com/62
		Mutations During Meiosis	https://newpathlive.com/63
		Harmful and Helpful Mutations	https://newpathlive.com/64
	Vocabulary Review		
		Chromosomes, Genes and DNA Vocabulary Matching	https://newpathlive.com/66
	Virtual Investigation		
		Building DNA and RNA	https://newpathlive.com/68
	Assessment		
		Chromosomes, Genes, and DNA	https://newpathlive.com/6a
Six Kingdoms of Life			https://newpathlive.com/yt
	Classification		
		Why Do Scientists Classify Organisms?	https://newpathlive.com/yv
		How Are Organisms Classified?	https://newpathlive.com/yw
		DNA Technology and Classification	https://newpathlive.com/yx
		Levels of Classification	https://newpathlive.com/yy
		Scientific Name	https://newpathlive.com/yz

	Six Kingdoms Overview		
		What Are the Six Kingdoms?	https://newpathlive.com/z1
		Archaeobacteria and Eubacteria	https://newpathlive.com/z2
		Protists	https://newpathlive.com/z3
		Fungi, Plants and Animals	https://newpathlive.com/z4
	Archaeobacteria and Eubacteria		
		Characteristics of Bacteria	https://newpathlive.com/z6
		Two Bacterial Groups	https://newpathlive.com/z7
		Where Are Archaeobacteria Found?	https://newpathlive.com/z8
		Where Are Eubacteria Found?	https://newpathlive.com/z9
		Beneficial and Harmful Bacteria	https://newpathlive.com/za
	Protists		
		Characteristics of Protists	https://newpathlive.com/zc
		Variety of Protists	https://newpathlive.com/zd
		Protist Groups	https://newpathlive.com/ze
		Protozoa	https://newpathlive.com/zf
		Algae	https://newpathlive.com/zg
		Fungus-Like Protists	
	Pause and Interact		https://newpathlive.com/zi
		Review	https://newpathlive.com/zj
	Fungi		
		Characteristics of Fungi	https://newpathlive.com/zi
		Parts of a Fungus	https://newpathlive.com/zm
		Fungus Reproduction	https://newpathlive.com/zn
		Beneficial Fungi	https://newpathlive.com/zo
		Harmful Fungi	https://newpathlive.com/zp
	Plants		
		Plant Characteristics	https://newpathlive.com/zr

		Cellulose and Chloroplasts	https://newpathlive.com/zs
		How Are Plants Classified?	https://newpathlive.com/zt
		Nonvascular Plants	https://newpathlive.com/zu
		Seedless Vascular Plants	https://newpathlive.com/zv
		Gymnosperms	https://newpathlive.com/zw
		Angiosperms	https://newpathlive.com/zx
		Pause and Interact	
		Review	https://newpathlive.com/zz
		Animals	
		Animal Characteristics	https://newpathlive.com/101
		Major Animal Groups	https://newpathlive.com/102
		Invertebrates	https://newpathlive.com/103
		Invertebrate Groups	https://newpathlive.com/104
		Vertebrates	https://newpathlive.com/105
		Pause and Interact	
		Kingdom Identification	https://newpathlive.com/107
		Vocabulary Review	
		Six Kingdoms of Life Vocabulary Matching	https://newpathlive.com/109
		Virtual Investigation	
		Classifying Organisms	https://newpathlive.com/10b
		Assessment	
		Six Kingdoms of Life	https://newpathlive.com/10d
		Protists: Pond Microlife	https://newpathlive.com/vo
		What Is a Protist?	
		Kingdom Protista	https://newpathlive.com/vg
		Protist Categories	https://newpathlive.com/vr
		Plant-Like Protists	

	Algae	https://newpathlive.com/vt
	Algae Contain Chlorophyll	https://newpathlive.com/vu
	Examples of Plant-Like Protists	https://newpathlive.com/vv
Euglena		
	Euglena Characteristics	https://newpathlive.com/vx
	Euglenas Have Chlorophyll	https://newpathlive.com/vy
	Euglena Eyespot	https://newpathlive.com/vz
	Euglena Nutrition	https://newpathlive.com/w0
	Euglena Movement	https://newpathlive.com/w1
Volvox		
	Volvox Characteristics	https://newpathlive.com/w3
	Volvox Colony	https://newpathlive.com/w4
	Volvox Habitat	https://newpathlive.com/w5
	Volvox Reproduction	https://newpathlive.com/w6
Spirogyra		
	Spirogyra Characteristics	https://newpathlive.com/w8
	Spirogyra Filaments	https://newpathlive.com/w9
	Spirogyra Reproduction	https://newpathlive.com/wa
Pause and Interact		
	Review	https://newpathlive.com/wc
	Euglena	https://newpathlive.com/wd
	Volvox	https://newpathlive.com/we
	Spirogyra	https://newpathlive.com/wf
Animal-Like Protists		
	Protozoa	https://newpathlive.com/wh
	Characteristics of Animal-Like Protists	https://newpathlive.com/wi
Amoeba		
	Amoeba Habitat	https://newpathlive.com/wk

	Amoeba Movement	https://newpathlive.com/wl
	Amoeba Nutrition	https://newpathlive.com/wm
	Amoeba Food Vacuole and Lysosomes	https://newpathlive.com/wn
	Amoeba Nucleus and Contractile Vacuole	https://newpathlive.com/wo
	Amoeba Reproduction	https://newpathlive.com/wp
Paramecium		
	Paramecium Characteristics	https://newpathlive.com/wr
	Paramecium Movement	https://newpathlive.com/ws
	Paramecium Nuclei	https://newpathlive.com/wt
	Paramecium Nutrition	https://newpathlive.com/wu
	Paramecium Reproduction	https://newpathlive.com/wv
Pause and Interact		
	Review	https://newpathlive.com/wx
	Amoeba	https://newpathlive.com/wy
	Paramecium	https://newpathlive.com/wz
Fungus-Like Protists		
	Characteristics of Fungus-Like Protists	https://newpathlive.com/x1
	Fungus-Like Protist Feeding and Reproduction	https://newpathlive.com/x2
	Types of Fungus-Like Protists	https://newpathlive.com/x3
Slime Mold		
	Slime Mold	https://newpathlive.com/x5
	Slime Mold Reproduction and Feeding	https://newpathlive.com/x6
	Slime Mold Movement and Habitat	https://newpathlive.com/x7
Pause and Interact		
	Review	https://newpathlive.com/x9
Vocabulary Review		
	Vocabulary Matching Review	https://newpathlive.com/xb
Virtual Investigation		

		Comparing Algae & Protozoa	https://newpathlive.com/xd
	Assessment		
		Protists	https://newpathlive.com/xf
Food Chains and Food Webs			https://newpathlive.com/ey
	Energy Flow		
		What Is an Ecosystem?	https://newpathlive.com/f0
		Organisms and Energy	https://newpathlive.com/f1
		Producers	https://newpathlive.com/f2
		Consumers	https://newpathlive.com/f3
		Example of Energy Flow	https://newpathlive.com/f4
		Decomposers	https://newpathlive.com/f5
	Food Chains		
		What Is a Food Chain?	https://newpathlive.com/f7
		Snake Food Chain	https://newpathlive.com/f8
		Trophic Levels	https://newpathlive.com/f9
		Parts of a Food Chain	https://newpathlive.com/fa
	Pause and Interact		https://newpathlive.com/fb
		Review	https://newpathlive.com/fc
	Food Webs		
		What Is a Food Web?	https://newpathlive.com/fe
		Producers and Herbivores	https://newpathlive.com/ff
		Omnivores and Carnivores	https://newpathlive.com/fg
		Decomposers	https://newpathlive.com/fh
		Feeding from Different Trophic Levels	https://newpathlive.com/fi
	Owl Food Web		
		Owl Food Web Example	https://newpathlive.com/fk
		Owl Pellet Formation	https://newpathlive.com/fl

	Pellet Composition	https://newpathlive.com/fm
	Examining an Owl Pellet	https://newpathlive.com/fn
	Identifying Bones in an Owl Pellet	https://newpathlive.com/fo
Pause and Interact		
	Review	https://newpathlive.com/fq
Energy Pyramid		
	Energy in a Food Web	https://newpathlive.com/fs
	What Is an Energy Pyramid?	https://newpathlive.com/ft
	Energy Transfer between Levels	https://newpathlive.com/fu
	Ecosystems and Number of Organisms	https://newpathlive.com/fv
Food Web Balance		
	Changes in Population Size	https://newpathlive.com/fx
	Alaskan Marine Ecosystem Example	https://newpathlive.com/fy
	Killer Whales Feed on the Otters	https://newpathlive.com/fz
	Sea Urchin Overpopulation	https://newpathlive.com/g0
	Loss of Kelp Habitat	https://newpathlive.com/g1
	Marine Ecosystem Is Altered	https://newpathlive.com/g2
Pause and Interact		
	Review	https://newpathlive.com/g4
Pause and Interact		
	Food Webs	https://newpathlive.com/g6
Vocabulary Review		
	Food Chains Vocabulary Matching	https://newpathlive.com/g8
Virtual Investigation		
	Owl Pellet Dissection	https://newpathlive.com/ga
Assessment		
	Food Chains and Webs	https://newpathlive.com/gc

SYSTEMS OF THE HUMAN BODY MULTIMEDIA LESSONS

Systems of the Human Body 1: Moving and Controlling the Body

<https://newpathlive.com/11u>

Body Organization

Levels of Organization - Organ Systems

<https://newpathlive.com/11w>

Levels of Organization - Organs.

<https://newpathlive.com/11x>

Levels of Organization - Tissues

<https://newpathlive.com/11y>

Levels of Organization - Cells

<https://newpathlive.com/11z>

Homeostasis Principle

<https://newpathlive.com/120>

Homeostasis Example - Temperature Regulation

<https://newpathlive.com/121>

Body Organization:Pause and Interact

Review

<https://newpathlive.com/123>

Body Organization

<https://newpathlive.com/124>

Skeletal System

Functions of the Skeletal System

<https://newpathlive.com/126>

The Axial Skeleton

<https://newpathlive.com/127>

The Appendicular Skeleton

<https://newpathlive.com/128>

Bone Structure

<https://newpathlive.com/129>

Bone Formation

<https://newpathlive.com/12a>

Common Bone Fractures

<https://newpathlive.com/12b>

Types of Joints Between Bones

<https://newpathlive.com/12c>

Freely Moving Joints - Synovial Joints

<https://newpathlive.com/12d>

Sprains and Strains

<https://newpathlive.com/12e>

Taking Care of Your Bones

<https://newpathlive.com/12f>

Pause and Interact

Review

<https://newpathlive.com/12h>

The Skeletal System

<https://newpathlive.com/12i>

Types of Joints

<https://newpathlive.com/12j>

Muscular System

		Muscle Action	https://newpathlive.com/12l
		Types of Muscles	https://newpathlive.com/12m
		Structure of Muscle	https://newpathlive.com/12n
		Principles of Muscle Contraction	https://newpathlive.com/12o
		Special Features of Heart Muscle	https://newpathlive.com/12p
		Pause and Interact	
		Review	https://newpathlive.com/12r
		Types of Muscles	https://newpathlive.com/12s
		Nervous System	
		Functions of Nervous System	https://newpathlive.com/12u
		Organs of the Nervous System	https://newpathlive.com/12v
		Structure of Neurons	https://newpathlive.com/12w
		Types of Neurons	https://newpathlive.com/12x
		The Nerve Impulse	https://newpathlive.com/12y
		Central Nervous System	https://newpathlive.com/12z
		Structure of the Brain	https://newpathlive.com/130
		Peripheral Nervous System	https://newpathlive.com/131
		Senses: Vision, Hearing and Balance, Smell, Taste	https://newpathlive.com/132
		How We See	https://newpathlive.com/133
		How We Hear	https://newpathlive.com/134
		How We Taste and Smell	https://newpathlive.com/135
		Drug and Alcohol Abuse	https://newpathlive.com/136
		Pause and Interact	
		Review	https://newpathlive.com/138
		Nervous System	https://newpathlive.com/139
		Endocrine System	
		The Role of the Endocrine System	https://newpathlive.com/13b
		How the Endocrine System Functions	https://newpathlive.com/13c

	Endocrine Glands	https://newpathlive.com/13d
	Function and Control of Endocrine Glands	https://newpathlive.com/13e
	Hormones	https://newpathlive.com/13f
	Negative Feedback Mechanism	https://newpathlive.com/13g
Pause and Interact		
	Review	https://newpathlive.com/13i
	The Endocrine System	https://newpathlive.com/13j
Vocabulary Review		
	Vocabulary Matching Review	https://newpathlive.com/13l
Virtual Investigation		
	Nerve Conduction	https://newpathlive.com/13n
Assessment		
	Human Body 1	https://newpathlive.com/13p
Systems of the Human Body 2: Providing Fuel and Transportation		https://newpathlive.com/13q
Food and Nutrients		
	Food and Cellular Energy	https://newpathlive.com/13s
	Nutrients	https://newpathlive.com/13t
Types of Nutrients		
	Simple Carbohydrates	https://newpathlive.com/13v
	Complex Carbohydrates	https://newpathlive.com/13w
	Fats	https://newpathlive.com/13x
	Cholesterol	https://newpathlive.com/13y
	Saturated and Unsaturated Fat	https://newpathlive.com/13z
	Proteins	https://newpathlive.com/140
	Proteins are Composed of Amino Acids	https://newpathlive.com/141
	Vitamins	https://newpathlive.com/142
	Water-Soluble Vitamins	https://newpathlive.com/143

	Fat-Soluble Vitamins	https://newpathlive.com/144
	Minerals	https://newpathlive.com/145
	Water and the Human Body	https://newpathlive.com/146
	Healthy Diets and Food Labels	https://newpathlive.com/147
Pause and Interact		
	Review	https://newpathlive.com/149
Digestive System - Fuel from Food		
	Digestive System Functions	https://newpathlive.com/14b
	Organs of the Digestive System	https://newpathlive.com/14c
	Mouth and Oral Cavity	https://newpathlive.com/14d
	Esophagus	https://newpathlive.com/14e
	Stomach	https://newpathlive.com/14f
	Pancreas	https://newpathlive.com/14g
	Liver	https://newpathlive.com/14h
	Small Intestine	https://newpathlive.com/14i
	Large Intestine	https://newpathlive.com/14j
Process of Digestion		
	Mechanical Digestion	https://newpathlive.com/14l
	Chemical Digestion	https://newpathlive.com/14m
	Digestive Enzymes	https://newpathlive.com/14n
	Pancreatic Enzymes	https://newpathlive.com/14o
	Absorption of Nutrients	https://newpathlive.com/14p
Pause and Interact		
	Review	https://newpathlive.com/14r
	Digestive System	https://newpathlive.com/14s
Respiratory System - The Need for Oxygen		
	Functions of the Respiratory Tract	https://newpathlive.com/14u
	The Need for Oxygen	https://newpathlive.com/14v

	Organs of the Respiratory Tract – From Mouth to Lungs	https://newpathlive.com/14w
	Lung Structure	https://newpathlive.com/14x
	Organs of the Respiratory Tract – The Lungs	https://newpathlive.com/14y
	Process of Respiration – How You Breathe	https://newpathlive.com/14z
	Smoking and Health	https://newpathlive.com/150
	Emphysema	https://newpathlive.com/151
	Lung Cancer	https://newpathlive.com/152
Pause and Interact		
	Review	https://newpathlive.com/154
	Respiratory System	https://newpathlive.com/155
Cardiovascular System - Transporting Fuel and Waste		
	Functions of the Cardiovascular System	https://newpathlive.com/157
	Organs of the Circulatory System	https://newpathlive.com/158
	Anatomy of the Heart	https://newpathlive.com/159
	Heart Atria and Ventricles	https://newpathlive.com/15a
	How the Heart Works	https://newpathlive.com/15b
	Blood Circulation Loops	https://newpathlive.com/15c
	Arteries	https://newpathlive.com/15d
	Capillaries	https://newpathlive.com/15e
	Veins	https://newpathlive.com/15f
	Blood Pressure	https://newpathlive.com/15g
Pause and Interact		
	Review	https://newpathlive.com/15i
	Cardiac System	https://newpathlive.com/15j
Blood		
	Components of Blood	https://newpathlive.com/15l
	White Blood Cells	https://newpathlive.com/15m
	White Blood Cells with Granules	https://newpathlive.com/15n

	White Blood Cells without Granules	https://newpathlive.com/15o
	Red Blood Cells and Platelets	https://newpathlive.com/15p
	Blood Types	https://newpathlive.com/15q
	Blood Donation and Transfusion	https://newpathlive.com/15r
	The Lymphatic System of Vessels and Nodes	https://newpathlive.com/15s
	Lymph Nodes	https://newpathlive.com/15t
	Pause and Interact	
	Review	https://newpathlive.com/15v
	Heart Health	
	Heart Disease	https://newpathlive.com/15x
	Hypertension – High Blood Pressure	https://newpathlive.com/15y
	Keeping the Heart Healthy	https://newpathlive.com/15z
	Excretory System - Transporting Waste	
	Functions of the Excretory System	https://newpathlive.com/161
	Organs of the Excretory System	https://newpathlive.com/162
	Kidney Structure	https://newpathlive.com/163
	Formation of Urine	https://newpathlive.com/164
	Urinalysis and Kidney Disease	https://newpathlive.com/165
	Excretion by Skin, Lungs and Digestive Tract	https://newpathlive.com/166
	Pause and Interact	
	Review	https://newpathlive.com/168
	Excretory System	https://newpathlive.com/169
	Vocabulary Review	
	Vocabulary Matching Review	https://newpathlive.com/16b
	Virtual Investigation	
	Blood Typing	https://newpathlive.com/16d
	Assessment	
	Human Body 2	https://newpathlive.com/16f

Systems of the Human Body 3: Protection, Reproduction and Cooperation		https://newpathlive.com/16g
	Disease and the Body's Defense	
	Pathogens and Disease	https://newpathlive.com/16i
	How Diseases Spread	https://newpathlive.com/16j
	Body Defense against Pathogens	https://newpathlive.com/16k
	Natural Barriers to Disease	https://newpathlive.com/16l
	Inflammation	https://newpathlive.com/16m
	Inflammation and Repair	https://newpathlive.com/16n
	Specific Protection from Disease	https://newpathlive.com/16o
Pause and Interact		
	Review	https://newpathlive.com/16q
	The Immune Response	
	What Is an Antigen?	https://newpathlive.com/16s
	How Does the Immune System Work?	https://newpathlive.com/16t
	Antibodies	https://newpathlive.com/16u
	B Lymphocytes	https://newpathlive.com/16v
	T Lymphocytes	https://newpathlive.com/16w
	Lymphocyte Location	https://newpathlive.com/16x
	Lymph Node Protection	https://newpathlive.com/16y
	Role of the Spleen	https://newpathlive.com/16z
Pause and Interact		
	Review	https://newpathlive.com/171
	Immune System	https://newpathlive.com/172
	Illness, Immunity and Allergies	
	When the Immune System Is Overwhelmed	https://newpathlive.com/174
	Immunization: Passive Immunity	https://newpathlive.com/175
	Immunization: Active Immunity	https://newpathlive.com/176

	Allergic Response	https://newpathlive.com/177
	Staying Healthy and Preventing Disease	https://newpathlive.com/178
	Pause and Interact	
	Review	https://newpathlive.com/17a
	Skin - Physical Protection	
	Skin Barrier and Production of Vitamin D	https://newpathlive.com/17c
	Skin and Temperature	https://newpathlive.com/17d
	Cell Structure of the Skin	https://newpathlive.com/17e
	The Epidermis	https://newpathlive.com/17f
	Skin Growth and Repair	https://newpathlive.com/17g
	Skin Support: The Dermis	https://newpathlive.com/17h
	Skin Cancer	https://newpathlive.com/17i
	Importance of Healthy Skin	https://newpathlive.com/17j
	Pause and Interact	
	Review	https://newpathlive.com/17l
	The Skin	https://newpathlive.com/17m
	Reproduction--Continuing the Species	
	Sex Cells	https://newpathlive.com/17o
	Fertilization	https://newpathlive.com/17p
	Sperm Production	https://newpathlive.com/17q
	Testes	https://newpathlive.com/17r
	Female Reproductive System	https://newpathlive.com/17s
	Female Reproductive Hormones	https://newpathlive.com/17t
	Menstruation	https://newpathlive.com/17u
	Egg Fertilization	https://newpathlive.com/17v
	Human Implantation and Early Development	https://newpathlive.com/17w
	Human Fetal Development and Birth	https://newpathlive.com/17x
	Pause and Interact	

		Review	https://newpathlive.com/17z
		The Male Reproductive System	https://newpathlive.com/180
		The Female Reproductive System	https://newpathlive.com/181
Systems Working Together			
		Link between Cardiovascular and Respiratory Systems	https://newpathlive.com/183
		Links between Digestive, Nervous and Muscular Systems	https://newpathlive.com/184
		Organ Systems During Exercise	https://newpathlive.com/185
		Healthy Habits, Healthy Organs	https://newpathlive.com/186
Vocabulary Review			
		Vocabulary Matching Review	https://newpathlive.com/188
Virtual Investigation			
		Infection and Inflammation	https://newpathlive.com/18a
Assessment			
		Human Body 3	https://newpathlive.com/18c

EARTH SCIENCE MULTIMEDIA LESSONS - MIDDLE SCHOOL GR. 6-9

Atmosphere and Weather			https://newpathlive.com/1
	Atmosphere Overview		
		Composition of the Atmosphere	https://newpathlive.com/3
		Importance of the Atmosphere	https://newpathlive.com/4
		Atmospheric Pressure	https://newpathlive.com/5
		Air Pollution	https://newpathlive.com/6
Layers of the Atmosphere			
		Five Atmospheric Layers	https://newpathlive.com/8
		Troposphere	https://newpathlive.com/9
		Stratosphere	https://newpathlive.com/a
		Mesosphere	https://newpathlive.com/b
		Thermosphere	https://newpathlive.com/c

	Exosphere	https://newpathlive.com/d
Pause and Interact		
	Review	https://newpathlive.com/f
Weather		
	What is Weather?	https://newpathlive.com/h
	Weather and the Sun	https://newpathlive.com/i
	Global Winds	https://newpathlive.com/j
	Water Cycle	https://newpathlive.com/k
	Humidity	https://newpathlive.com/l
Clouds and Precipitation		
	Cloud Formation	https://newpathlive.com/n
	Three Main Types of Clouds	https://newpathlive.com/o
	Other Types of Clouds	https://newpathlive.com/p
	What is Precipitation?	https://newpathlive.com/q
	Rain, Sleet, Snow and Hail	https://newpathlive.com/r
Weather Patterns		
	Air Masses	https://newpathlive.com/t
	Types of Air Masses	https://newpathlive.com/u
	Movement of Air Masses	https://newpathlive.com/v
	Cold and Warm Fronts	https://newpathlive.com/w
	Stationary and Occluded Fronts	https://newpathlive.com/x
Pause and Interact		
	Review	https://newpathlive.com/z
	Cloud Types	https://newpathlive.com/10
Severe Weather		
	Thunderstorms	https://newpathlive.com/12
	Tornadoes	https://newpathlive.com/13
	Hurricanes	https://newpathlive.com/14

	Winter Storms	https://newpathlive.com/15
	Pause and Interact	
	Types of Severe Weather	https://newpathlive.com/17
	Predicting Weather	
	Forecasting the Weather	https://newpathlive.com/19
	Weather Technology	https://newpathlive.com/1a
	Weather Maps	https://newpathlive.com/1b
	Vocabulary Review	
	Atomsphere and Weather Vocabulary Matching	https://newpathlive.com/1d
	Virtual Investigation	
	Weather Forecasting	https://newpathlive.com/1f
	Assessment	
	Atmosphere and Weather	https://newpathlive.com/1h
	Earth's Climate	https://newpathlive.com/6b
	Climate and Its Causes	
	What Is Climate?	https://newpathlive.com/6d
	Causes of Climate	https://newpathlive.com/6e
	Latitude Affects Temperature	https://newpathlive.com/6f
	Altitude Affects Temperature	https://newpathlive.com/6g
	Oceans and Lakes Affect Temperature	https://newpathlive.com/6h
	Ocean Currents Affect Temperature	https://newpathlive.com/6i
	Prevailing Wind Affects Moisture	https://newpathlive.com/6j
	Mountains Affect Precipitation	https://newpathlive.com/6k
	Seasons and the Earth's Tilt	https://newpathlive.com/6l
	Pause and Interact	
	Review	https://newpathlive.com/6n
	Climate Zones and Biomes	

		Climate Zones	https://newpathlive.com/6p
		Biomes	https://newpathlive.com/6q
	The Tropical Zone		
		Tropical Zone	https://newpathlive.com/6s
		Tropical Rain Forest	https://newpathlive.com/6t
		Tropical Savannah and Desert	https://newpathlive.com/6u
	The Temperate Zone		
		Temperate Zone	https://newpathlive.com/6w
		Temperate Forest and Grassland	https://newpathlive.com/6x
		Temperate Chaparral and Desert	https://newpathlive.com/6y
	The Polar Zone		
		Polar Zone	https://newpathlive.com/70
		Tundra	https://newpathlive.com/71
		Taiga	https://newpathlive.com/72
	Pause and Interact		
		Review	https://newpathlive.com/74
		Biomes	https://newpathlive.com/75
	Climate Change		
		Ice Ages	https://newpathlive.com/77
		Glacial and Interglacial Periods	https://newpathlive.com/78
		What Caused the Ice Ages?	https://newpathlive.com/79
	Global Warming		
		The Earth is Getting Warmer	https://newpathlive.com/7b
		Greenhouse Effect	https://newpathlive.com/7c
		Increased Atmospheric Carbon Dioxide	https://newpathlive.com/7d
		The Impact of Global Warming	https://newpathlive.com/7e
	Ozone depletion		
		A Thinning Ozone Layer	https://newpathlive.com/7g

	Ozone Layer Recovery	https://newpathlive.com/7h
Vocabulary Review		
	Vocabulary Matching Review	https://newpathlive.com/7j
Virtual Investigation		
	Earth's Seasons	https://newpathlive.com/7l
Assessment		
	Earth's Climate	https://newpathlive.com/7n
Earth's Surface		https://newpathlive.com/7o
Weathering and Erosion Overview		
	Weathering and Erosion	https://newpathlive.com/7q
	Mechanical and Chemical Weathering	https://newpathlive.com/7r
	How Is Rock Eroded?	https://newpathlive.com/7s
The Erosion and Deposition Cycle		
	Steps of the Erosion and Deposition Cycle	https://newpathlive.com/7u
	Sediment Deposited in the Ocean	https://newpathlive.com/7v
Mechanical and Chemical Weathering		
	Abrasion and Plant Growth	https://newpathlive.com/7x
	Exfoliation and Frost Wedging	https://newpathlive.com/7y
	What is Chemical Weathering?	https://newpathlive.com/7z
	Natural Chemical Weathering	https://newpathlive.com/80
	Chemical Weathering and Pollution	https://newpathlive.com/81
Forces of Erosion and Deposition		
	Natural Forces of Erosion and Deposition	https://newpathlive.com/83
	Gravity and Mass Movements of Rock	https://newpathlive.com/84
	Moving Water Carries Sediment	https://newpathlive.com/85
	Deltas and Alluvial Fans	https://newpathlive.com/86
	Glaciers Shape the Land	https://newpathlive.com/87

	Glacier Landforms	https://newpathlive.com/88
	Waves and Rock Formations	https://newpathlive.com/89
	Waves and Deposition	https://newpathlive.com/8a
	Wind Erosion and Deposition	https://newpathlive.com/8b
Pause and Interact		
	Review	https://newpathlive.com/8d
	Forces of Erosion and Deposition	https://newpathlive.com/8e
Soil		
	What Is Soil?	https://newpathlive.com/8g
	Types of Soil	https://newpathlive.com/8h
	Climates with Thin Soil Layers	https://newpathlive.com/8i
	Soil in Temperate Climates	https://newpathlive.com/8j
	Life in the Soil	https://newpathlive.com/8k
	Soil Conservation	https://newpathlive.com/8l
	Topsoil and Farming	https://newpathlive.com/8m
Pause and Interact		
	Review	https://newpathlive.com/8o
	Soil Profile	https://newpathlive.com/8p
Landforms and Topographic Maps		
	Types of Landforms	https://newpathlive.com/8r
	What Is a Topographic Map?	https://newpathlive.com/8s
	Topographic Map Contour Lines	https://newpathlive.com/8t
	Topographic Map Rules	https://newpathlive.com/8u
Vocabulary Review		
	Earth's Surface Vocabulary Matching	https://newpathlive.com/8w
Virtual Investigation		
	Topographic Maps	https://newpathlive.com/8y
Assessment		

	Earth's Surface	https://newpathlive.com/90
Earthquakes		https://newpathlive.com/91
How an Earthquake Occurs		
	Rock Experiences Stress	https://newpathlive.com/93
	Rock Releases Energy	https://newpathlive.com/94
	Earthquake Focus and Epicenter	https://newpathlive.com/95
	Earthquake Aftershocks	https://newpathlive.com/96
Types of Stress in Crustal Rock		
	Three Types of Stress	https://newpathlive.com/98
	Tension	https://newpathlive.com/99
	Compression	https://newpathlive.com/9a
	Shearing	https://newpathlive.com/9b
Faults in the Earth's Crust		
	What is a Fault?	https://newpathlive.com/9d
	Hanging Wall and Footwall	https://newpathlive.com/9e
	Normal Fault	https://newpathlive.com/9f
	Reverse Fault	https://newpathlive.com/9g
	Strike-Slip Fault	https://newpathlive.com/9h
Pause and Interact		
	Review	https://newpathlive.com/9j
How Earth's Surface Changes		
	Folding Rock	https://newpathlive.com/9l
	Stretching Rock	https://newpathlive.com/9m
	Uplifting Rock	https://newpathlive.com/9n
Seismic Waves		
	What is a Seismic Wave?	https://newpathlive.com/9p
	Types of Seismic Waves	https://newpathlive.com/9q

	P Waves	https://newpathlive.com/9r
	S Waves	https://newpathlive.com/9s
	Surface Waves	https://newpathlive.com/9t
Measuring Earthquakes		
	Seismographs	https://newpathlive.com/9v
	Distance to Epicenter	https://newpathlive.com/9w
	Epicenter Location	https://newpathlive.com/9x
	Richter Scale	https://newpathlive.com/9y
	Richter Scale is Logarithmic	https://newpathlive.com/9z
	Mercalli Scale	https://newpathlive.com/a0
Pause and Interact		
	Review	https://newpathlive.com/a2
	Earthquake and Seismogram	https://newpathlive.com/a3
Earthquake Safety		
	Potential Earthquake Destruction	https://newpathlive.com/a5
	Risk of Earthquake	https://newpathlive.com/a6
	Safer Buildings in Earthquake Zones	https://newpathlive.com/a7
	Individual Safety During an Earthquake	https://newpathlive.com/a8
Vocabulary Review		
	Earthquakes Vocabulary Matching	https://newpathlive.com/aa
Virtual Investigation		
	Earthquake Simulator	https://newpathlive.com/ac
Assessment		
	Earthquakes	https://newpathlive.com/ae
Minerals		https://newpathlive.com/m5
	What Is a Mineral?	
	Minerals Are Naturally Occurring	https://newpathlive.com/m7

	Minerals Are Inorganic	https://newpathlive.com/m8
	Minerals Are Solid Substances	https://newpathlive.com/m9
	Minerals Have a Crystal Structure	https://newpathlive.com/ma
	Is a Rock a Mineral?	https://newpathlive.com/mb
Properties of Minerals		
	How Are Minerals Identified?	https://newpathlive.com/md
	Mineral Hardness	https://newpathlive.com/me
	Mineral Color	https://newpathlive.com/mf
	Mineral Streak Color	https://newpathlive.com/mg
	Mineral Luster	https://newpathlive.com/mh
	Specific Gravity of a Mineral	https://newpathlive.com/mi
	Mineral Crystal System	https://newpathlive.com/mj
	Cleavage or Fracture of a Mineral	https://newpathlive.com/mk
	Mineral Special Properties	https://newpathlive.com/ml
	Mineral Properties Table	https://newpathlive.com/mm
Pause and Interact		
	Review	https://newpathlive.com/mo
	Sequence: Mohs Hardness Scale	https://newpathlive.com/mp
How Do Minerals Form?		
	Where Do Minerals Form?	https://newpathlive.com/mr
	Mineral Metamorphism	https://newpathlive.com/ms
	Cooling Magma Forms Minerals	https://newpathlive.com/mt
	Evaporation and Precipitation Form Minerals	https://newpathlive.com/mu
	Hot Water Solutions Form Minerals	https://newpathlive.com/mv
Mineral Resources		
	Ore Deposits	https://newpathlive.com/mx
	Mining Methods	https://newpathlive.com/my
	Shaft Mines	https://newpathlive.com/mz

		Processing Ore	https://newpathlive.com/n0
	Mining and the Environment		
		Mining and Environmental Issues	https://newpathlive.com/n2
		Mining and Land Reclamation	https://newpathlive.com/n3
		Mineral Reserves and Recycling	https://newpathlive.com/n4
	Use of Minerals		
		Importance of Minerals	https://newpathlive.com/n6
		Using Minerals in Homes	https://newpathlive.com/n7
		Using Minerals in a Television	https://newpathlive.com/n8
		Gemstones	https://newpathlive.com/n9
	Pause and Interact		
		Review	https://newpathlive.com/nb
		Mineral Uses	https://newpathlive.com/nc
	Vocabulary Review		
		Minerals Vocabulary Matching	https://newpathlive.com/ne
	Virtual Investigation		
		Mineral Identification	https://newpathlive.com/ng
	Assessment		
		Minerals	https://newpathlive.com/ni
Our Solar System			https://newpathlive.com/p9
	Formation of Our Solar System		
		Nebulae	https://newpathlive.com/pb
		Planetesimals	https://newpathlive.com/pc
		Rocky and Gaseous Planet Formation	https://newpathlive.com/pd
	Geocentric and Heliocentric Systems		
		Geocentric Universe Concept	https://newpathlive.com/pf
		Heliocentric Universe Concept	https://newpathlive.com/pg

		A Heliocentric Solar System	https://newpathlive.com/ph
		Parts of Our Solar System	https://newpathlive.com/pi
	The Sun		
		What Is the Sun Made of?	https://newpathlive.com/pk
		Structure of the Sun	https://newpathlive.com/pl
		The Sun's Core and Nuclear Fusion	https://newpathlive.com/pm
		The Sun's Radiative Zone	https://newpathlive.com/pn
		The Sun's Convective Zone	https://newpathlive.com/po
		The Sun's Photosphere	https://newpathlive.com/pp
		The Sun's Chromosphere	https://newpathlive.com/pq
		The Sun's Corona	https://newpathlive.com/pr
		Sunspots	https://newpathlive.com/ps
		Solar Flares	https://newpathlive.com/pt
	Pause and Interact		
		Review	https://newpathlive.com/pv
		The Sun	https://newpathlive.com/pw
	Measuring Distances in Space		
		Astronomical Units	https://newpathlive.com/py
		Distance Between the Planets and Sun	https://newpathlive.com/pz
	The Inner Planets		
		What Are the Inner Planets?	https://newpathlive.com/q1
		Mercury	https://newpathlive.com/q2
		Venus	https://newpathlive.com/q3
		Atmosphere and Surface of Venus	https://newpathlive.com/q4
		Earth	https://newpathlive.com/q5
		Mars	https://newpathlive.com/q6
		Atmosphere and Surface of Mars	https://newpathlive.com/q7

	Pause and Interact	
	Review	https://newpathlive.com/q9
	The Outer Planets	
	What Are the Outer Planets?	https://newpathlive.com/qb
	Jupiter	https://newpathlive.com/qc
	Saturn	https://newpathlive.com/qd
	Uranus	https://newpathlive.com/qe
	Rotation and Tilt of Uranus	https://newpathlive.com/qf
	Neptune	https://newpathlive.com/qg
	Pause and Interact	
	Review	https://newpathlive.com/qi
	Comets, Asteroids, and Meteors	
	Comets	https://newpathlive.com/qk
	Asteroids	https://newpathlive.com/ql
	Meteoroids	https://newpathlive.com/qm
	Pluto	
	Pluto and the Kuiper Belt	https://newpathlive.com/qo
	Pause and Interact	
	The Solar System	https://newpathlive.com/qq
	Vocabulary Review	
	Vocabulary Matching Review	https://newpathlive.com/qs
	Virtual Investigation	
	Planet Exploration	https://newpathlive.com/qu
	Assessment	
	Our Solar System	https://newpathlive.com/qw
	Plate Tectonics	https://newpathlive.com/sm
	Earth's Interior	

	Seismograms and the Earth's Structure	https://newpathlive.com/so
	Layers of the Earth	https://newpathlive.com/sp
	The Earth's Crust	https://newpathlive.com/sq
	Oceanic Crust	https://newpathlive.com/sr
	Continental Crust	https://newpathlive.com/ss
	The Earth's Mantle	https://newpathlive.com/st
	Upper and Lower Mantle	https://newpathlive.com/su
	The Earth's Core	https://newpathlive.com/sv
Heat Transfer and Convection Currents		
	Types of Heat Transfer	https://newpathlive.com/sx
	What Causes Convection?	https://newpathlive.com/sy
	Hot Mantle Rises	https://newpathlive.com/sz
	Cool Mantle Sinks	https://newpathlive.com/t0
	Mantle Convection Currents	https://newpathlive.com/t1
	Core Convection Currents	https://newpathlive.com/t2
Pause and Interact		
	Earth's Interior	https://newpathlive.com/t4
Continental Drift		
	What Is the Continental Drift Theory?	https://newpathlive.com/t6
	Basis of the Continental Drift Theory	https://newpathlive.com/t7
	Evidence for Continental Drift	https://newpathlive.com/t8
	Pangaea	https://newpathlive.com/t9
	Laurasia and Gondwana	https://newpathlive.com/ta
	Modern Continents	https://newpathlive.com/tb
	Theory History	https://newpathlive.com/tc
Sea-Floor Spreading		
	Mid-Ocean Ridges	https://newpathlive.com/te
	How Sea-Floor Spreading Occurs	https://newpathlive.com/tf

		New and Old Oceanic Crust	https://newpathlive.com/tg
		Supports Plate Tectonics Theory	https://newpathlive.com/th
	Theory of Plate Tectonics		
		What Is the Theory of Plate Tectonics?	https://newpathlive.com/tj
		Tectonic Plates in Motion	https://newpathlive.com/tk
		Tectonic Plate Boundaries	https://newpathlive.com/tl
		Divergent Plate Boundaries	https://newpathlive.com/tm
		Convergent Plate Boundaries	https://newpathlive.com/tn
		Subduction Zone	https://newpathlive.com/to
		Mountain Range Formation	https://newpathlive.com/tp
		Transform Boundary	https://newpathlive.com/tq
	Pause and Interact		
		Review	https://newpathlive.com/ts
		Continent Movement Over Time	https://newpathlive.com/tt
	Vocabulary Review		
		Vocabulary Matching Review	https://newpathlive.com/tv
	Virtual Investigation		
		Tectonic Plate Boundaries	https://newpathlive.com/tx
	Assessment		
		Plate Tectonics	https://newpathlive.com/tz
Rocks			https://newpathlive.com/xg
	Classifying Rocks		
		Rock Definition	https://newpathlive.com/xi
		Igneous Rocks	https://newpathlive.com/xj
		Sedimentary Rocks	https://newpathlive.com/xk
		Metamorphic Rocks	https://newpathlive.com/xl
	Igneous Rocks		

		Formation and Classification of Igneous Rocks	https://newpathlive.com/xn
		Origin of Igneous Rocks	https://newpathlive.com/xo
		Igneous Rock Texture	https://newpathlive.com/xp
		Igneous Rock Composition	https://newpathlive.com/xq
		Basalt	https://newpathlive.com/xr
		Obsidian	https://newpathlive.com/xs
		Pumice	https://newpathlive.com/xt
		Granite	https://newpathlive.com/xu
		Igneous Rock Uses	https://newpathlive.com/xv
	Pause and Interact		
		Review	https://newpathlive.com/xx
	Sedimentary Rocks		
		Formation of Sedimentary Rocks	https://newpathlive.com/xz
		Sedimentary Rock Categories	https://newpathlive.com/y0
		Clastic Sedimentary Rock	https://newpathlive.com/y1
		Clastic Sedimentary Rock Examples	https://newpathlive.com/y2
		Organic Sedimentary Rock	https://newpathlive.com/y3
		Chemical Sedimentary Rock	https://newpathlive.com/y4
		Sedimentary Rock Uses	https://newpathlive.com/y5
	Pause and Interact		
		Review	https://newpathlive.com/y7
	Metamorphic Rocks		
		Formation of Metamorphic Rocks	https://newpathlive.com/y9
		Shale Metamorphism	https://newpathlive.com/ya
		Contact and Regional Metamorphism	https://newpathlive.com/yb
		Foliated Metamorphic Rock	https://newpathlive.com/yc
		Nonfoliated Metamorphic Rock	https://newpathlive.com/yd
		Metamorphic Rock Uses	https://newpathlive.com/ye

The Rock Cycle			
	Rock Cycle Diagram		https://newpathlive.com/yg
	Sedimentary Rock Formation		https://newpathlive.com/yh
	Metamorphic Rock Formation		https://newpathlive.com/yi
	Igneous Rock Formation		https://newpathlive.com/yj
Pause and Interact			
	Rock Uses		https://newpathlive.com/yl
	Rock Cycle		https://newpathlive.com/ym
Vocabulary Review			
	Vocabulary Matching Review		https://newpathlive.com/yo
Virtual Investigation			
	Rock Identification		https://newpathlive.com/yq
Assessment			
	Rocks		https://newpathlive.com/ys
The Sun-Earth-Moon System			https://newpathlive.com/18d
How the Earth Moves			
	Earth's Rotation		https://newpathlive.com/18f
	Rotation Causes Day and Night		https://newpathlive.com/18g
	Earth's Period of Rotation		https://newpathlive.com/18h
	Earth's Revolution		https://newpathlive.com/18i
Seasons on Earth			
	Earth's Tilt Causes Seasons		https://newpathlive.com/18k
	Latitude and the Sun's Rays		https://newpathlive.com/18l
	Solstice		https://newpathlive.com/18m
	Equinox		https://newpathlive.com/18n
	Seasons in Tropical Regions		https://newpathlive.com/18o
	Seasons in Temperate Regions		https://newpathlive.com/18p

	Seasons in Polar Regions	https://newpathlive.com/18q
	Pause and Interact	
	Review	https://newpathlive.com/18s
	Gravity and Motion	
	Strength of Gravity	https://newpathlive.com/18u
	Gravity of the Earth and Moon	https://newpathlive.com/18v
	Earth and Moon Have Inertia	https://newpathlive.com/18w
	Gravity, Inertia and Orbit	https://newpathlive.com/18x
	Earth's Moon	
	Theory of Moon's Origin	https://newpathlive.com/18z
	Synchronous Rotation	https://newpathlive.com/190
	Moon Composition and Surface	https://newpathlive.com/191
	Moon Facts	https://newpathlive.com/192
	Pause and Interact	
	Review	https://newpathlive.com/194
	Phases, Eclipses and Tides	
	Cause of phases, eclipses and tides	https://newpathlive.com/196
	What are moon phases?	https://newpathlive.com/197
	Moon Phases	https://newpathlive.com/198
	What is an Eclipse?	https://newpathlive.com/199
	Solar Eclipse	https://newpathlive.com/19a
	The Moon's Umbra and Penumbra	https://newpathlive.com/19b
	Lunar Eclipse	https://newpathlive.com/19c
	Moon's Orbit is Tilted	https://newpathlive.com/19d
	What Causes Ocean Tides?	https://newpathlive.com/19e
	Spring Tides	https://newpathlive.com/19f
	Neap Tides	https://newpathlive.com/19g
	Pause and Interact	

		Review	https://newpathlive.com/19i
		Moon Phases	https://newpathlive.com/19j
	Missions to the Moon		
		NASA and the First Man on the Moon	https://newpathlive.com/19l
		Apollo Missions	https://newpathlive.com/19m
		Current Moon Exploration	https://newpathlive.com/19n
	Vocabulary Review		
		Vocabulary Matching Review	https://newpathlive.com/19p
	Virtual Investigation		
		Moon Phases, Eclipses and Tides	https://newpathlive.com/19r
	Assessment		
		The Sun-Earth-Moon System	https://newpathlive.com/19t
	Volcanoes		https://newpathlive.com/19u
	Introduction to Volcanoes		
		Magma Formation	https://newpathlive.com/19w
		What Is a Volcano?	https://newpathlive.com/19x
	Volcanoes and Plate Boundaries		
		Volcanoes at Plate Boundaries	https://newpathlive.com/19z
		Ring of Fire	https://newpathlive.com/1a0
		Volcanoes at Divergent Boundaries	https://newpathlive.com/1a1
		Volcanoes at Convergent Boundaries	https://newpathlive.com/1a2
		Hot Spot Volcanoes	https://newpathlive.com/1a3
	Properties of Magma		
		Magma Properties Can Vary	https://newpathlive.com/1a5
		Magma Composition	https://newpathlive.com/1a6
		Magma Viscosity	https://newpathlive.com/1a7

	Different Types of Lava	https://newpathlive.com/1a8
	Temperature Affects Magma and Lava	https://newpathlive.com/1a9
	Pause and Interact	
	Review	https://newpathlive.com/1ab
	Volcanic Eruptions	
	Inside a Volcano	https://newpathlive.com/1ad
	Vents and Craters	https://newpathlive.com/1ae
	Why Does a Volcano Erupt?	https://newpathlive.com/1af
	Quiet Eruptions	https://newpathlive.com/1ag
	Explosive Eruptions	https://newpathlive.com/1ah
	Pyroclastic Flow and Lahar	https://newpathlive.com/1ai
	Volcanic Material and Rocks	https://newpathlive.com/1aj
	Volcano Classification	
	Volcano Classification	https://newpathlive.com/1al
	Composite Volcano	https://newpathlive.com/1am
	Cinder Cone Volcano	https://newpathlive.com/1an
	Shield Volcano	https://newpathlive.com/1ao
	Life Cycle of a Volcano	
	Stages of Activity	https://newpathlive.com/1aq
	Monitoring Volcanoes	https://newpathlive.com/1ar
	Destruction Caused by Volcanoes	https://newpathlive.com/1as
	Pause and Interact	
	Review	https://newpathlive.com/1au
	Structure of a Volcano	https://newpathlive.com/1av
	Types of Volcanoes	https://newpathlive.com/1aw
	Volcanic Landforms, Hot Springs and Geysers	
	Caldera	https://newpathlive.com/1ay
	Volcanic Necks and Dome Mountains	https://newpathlive.com/1az

	Hot Springs and Geysers	https://newpathlive.com/1b0
Vocabulary Review		
	Vocabulary Matching Review	https://newpathlive.com/1b2
Virtual Investigation		
	Volcano Simulator	https://newpathlive.com/1b4
Assesment		
	Volcanoes	https://newpathlive.com/1b6

PHYSICAL SCIENCE MULTIMEDIA LESSONS - MIDDLE SCHOOL GR

Atoms and Chemical Bonding		https://newpathlive.com/1i
Models of the Atom		
	Atomic Models	https://newpathlive.com/1k
	Dalton's Atomic Theory	https://newpathlive.com/1l
	Thomson's Model of the Atom	https://newpathlive.com/1m
	Rutherford's Experiment	https://newpathlive.com/1n
	Bohr's Model of the Atom	https://newpathlive.com/1o
	The Modern Atomic Theory	https://newpathlive.com/1p
Pause and Interact		
	Review	https://newpathlive.com/1r
	Scientists and their model of the atom	https://newpathlive.com/1s
Atomic Configuration and Bonding		
	Electron Configuration	https://newpathlive.com/1u
	Valence Electrons and Bonding	https://newpathlive.com/1v
	Electron Dot Diagram	https://newpathlive.com/1w
	Stability of Atoms	https://newpathlive.com/1x
	Chemical Bonds	https://newpathlive.com/1y
Pause and Interact		
	Review	https://newpathlive.com/20

	Electron Configuration	https://newpathlive.com/21
Ionic Bonding		
	Charged Particles	https://newpathlive.com/23
	Forming Ions	https://newpathlive.com/24
	Ionic Bonds	https://newpathlive.com/25
	Ionic Compounds	https://newpathlive.com/26
	Naming Ionic Compounds	https://newpathlive.com/27
	Writing Formulas for Ionic Compounds	https://newpathlive.com/28
Pause and Interact		
	Review	https://newpathlive.com/2a
Covalent and Metallic Bonding		
	Covalent Bonds	https://newpathlive.com/2c
	Nonpolar and Polar Covalent Bonding	https://newpathlive.com/2d
	Covalent Compounds	https://newpathlive.com/2e
	Covalent Formulas and Names of Covalent Compounds	https://newpathlive.com/2f
	Metallic Bonding	https://newpathlive.com/2g
Pause and Interact		
	Review	https://newpathlive.com/2i
	Chemical Bonding	https://newpathlive.com/2j
Vocabulary Review		
	Atoms and Chemical Bonding Vocabulary Matching Review	https://newpathlive.com/2l
Virtual Investigation		
	Atoms and Chemical Bonding	https://newpathlive.com/2n
Assessment		
	Atoms and Chemical Bonding	https://newpathlive.com/2p
Chemical Reactions		https://newpathlive.com/3i
Chemical Reactions		

		Chemical and Physical Changes of Matter	https://newpathlive.com/3k
		Chemical Reactions	https://newpathlive.com/3l
		Evidence of Chemical Reactions	https://newpathlive.com/3m
		Chemical Bonds	https://newpathlive.com/3n
		Chemical Formulas	https://newpathlive.com/3o
		Chemical Equations	https://newpathlive.com/3p
		Pause and Interact	
		Review	https://newpathlive.com/3r
		Chemical and Physical Changes	https://newpathlive.com/3s
		Balancing Equations	
		Conservation of Mass	https://newpathlive.com/3u
		Balancing Chemical Equations	https://newpathlive.com/3v
		Example of Balancing a Chemical Equation	https://newpathlive.com/3w
		Pause and Interact	
		Review	https://newpathlive.com/3y
		Reactions and Reaction Rates	
		Types of Chemical Reactions	https://newpathlive.com/40
		Synthesis Reactions	https://newpathlive.com/41
		Decomposition Reactions	https://newpathlive.com/42
		Single-Replacement Reactions	https://newpathlive.com/43
		Double-Replacement Reactions	https://newpathlive.com/44
		Combustion Reactions	https://newpathlive.com/45
		Pause and Interact	
		Review	https://newpathlive.com/47
		Types of Reactions	https://newpathlive.com/48
		Energy in Reactions	
		Collision Theory	https://newpathlive.com/4a
		Activation Energy	https://newpathlive.com/4b

		Exothermic Reactions	https://newpathlive.com/4c
		Endothermic Reactions	https://newpathlive.com/4d
		Energy in Reactions	https://newpathlive.com/4e
		Reaction Rates	https://newpathlive.com/4f
		Catalysts	https://newpathlive.com/4g
Vocabulary Review			
		Chemical Reactions Vocabulary Matching Review	https://newpathlive.com/4i
Virtual Investigation			
		Evidence of Chemical Reactions	https://newpathlive.com/4k
Assessment			
		Chemical Reactions	https://newpathlive.com/4m
Electricity and Magnetism			https://newpathlive.com/af
	Introduction to Electricity		
		Atoms and Electric Charges	https://newpathlive.com/ah
		Interaction of Charged Particles	https://newpathlive.com/ai
		Electric Fields	https://newpathlive.com/aj
		Multiple Charged Particles	https://newpathlive.com/ak
		The Movement of Electric Charges	https://newpathlive.com/al
		How Objects Become Charged	https://newpathlive.com/am
		Static Electricity	https://newpathlive.com/an
		Electroscope	https://newpathlive.com/ao
Pause and Interact			
		Review	https://newpathlive.com/aq
Electric Current			
		What is Electric Current?	https://newpathlive.com/as
		Current Is Measured in Amps	https://newpathlive.com/at
		Two Types of Electrical Current	https://newpathlive.com/au

		Direct Current vs. Alternating Current	https://newpathlive.com/av
		Electricity in Circuits	https://newpathlive.com/aw
		Voltage	https://newpathlive.com/ax
		Electrical Resistance	https://newpathlive.com/ay
		Resistance Factors-Material	https://newpathlive.com/az
		Resistance Factors-Temperature	https://newpathlive.com/b0
		Resistance Factors-Length and Thickness	https://newpathlive.com/b1
		Ohms Law	https://newpathlive.com/b2
		Electric Power	https://newpathlive.com/b3
		Electricity: Measurements, Units and Symbols	https://newpathlive.com/b4
	Pause and Interact		
		Review	https://newpathlive.com/b6
		Review	https://newpathlive.com/b7
		Review	https://newpathlive.com/b8
	Electric Circuits		
		Parts of an Electric Circuit	https://newpathlive.com/ba
		Circuit Diagram	https://newpathlive.com/bb
		Series Circuit	https://newpathlive.com/bc
		Parallel Circuit	https://newpathlive.com/bd
	Pause and Interact		
		Circuit	https://newpathlive.com/bf
	Batteries		
		Volta and the First Battery	https://newpathlive.com/bh
		Electrochemical Cell	https://newpathlive.com/bi
		Wet Cells and Dry Cells	https://newpathlive.com/bj
	Pause and Interact		
		Electrochemical Cell	https://newpathlive.com/bl
		History of Electricity	https://newpathlive.com/bm

	Electrical Safety		
		Electrical Safety at Home	https://newpathlive.com/bo
		Lightning and Power Lines	https://newpathlive.com/bp
	Magnetism		
		What Is a Magnet?	https://newpathlive.com/br
		Magnetic Forces, Poles and Fields	https://newpathlive.com/bs
		Inside a Magnet	https://newpathlive.com/bt
		Earths Magnetic Field	https://newpathlive.com/bu
		Electromagnetism	https://newpathlive.com/bv
	Pause and Interact		
		Review	https://newpathlive.com/bx
	Vocabulary Review		
		Electricity and Magnetism Vocabulary Matching	https://newpathlive.com/bz
	Virtual Investigation		
		Circuit Building	https://newpathlive.com/c1
	Assessment		
		Electricity and Magnetism	https://newpathlive.com/c3
	Elements and the Periodic Table		https://newpathlive.com/c4
	Introduction to Elements		
		Elements	https://newpathlive.com/c6
		Compounds	https://newpathlive.com/c7
		Atomic Number	https://newpathlive.com/c8
		Isotopes	https://newpathlive.com/c9
		Atomic Mass	https://newpathlive.com/ca
		Electron Configuration	https://newpathlive.com/cb
		Electrons and Bonding	https://newpathlive.com/cc
	Pause and Interact		

	Review	https://newpathlive.com/ce
	Identifying Elements	https://newpathlive.com/cf
Classes of Elements		
	Classes of Elements	https://newpathlive.com/ch
	Metals	https://newpathlive.com/ci
	Nonmetals	https://newpathlive.com/cj
	Metalloids	https://newpathlive.com/ck
Pause and Interact		
	Review	https://newpathlive.com/cm
	Metals, Nonmetals and Metalloids	https://newpathlive.com/cn
The Periodic Table of Elements		
	Arranging the Elements	https://newpathlive.com/cp
	Changing the Arrangement of the Periodic Table	https://newpathlive.com/cq
	The Modern Periodic Table	https://newpathlive.com/cr
	Element Key	https://newpathlive.com/cs
	Periods of the Periodic Table	https://newpathlive.com/ct
	Groups of the Periodic Table	https://newpathlive.com/cu
Pause and Interact		
	Review	https://newpathlive.com/cw
	Review	https://newpathlive.com/cx
Groups on the Periodic Table		
	Group 1- Alkali Metals	https://newpathlive.com/cz
	Group 2- Alkaline-Earth Metals	https://newpathlive.com/d0
	Groups 3 to 12 - Transition Metals	https://newpathlive.com/d1
	Transition Metals - Lanthanides and Actinides	https://newpathlive.com/d2
	Group 13- Boron Group	https://newpathlive.com/d3
	Group 14- Carbon Group	https://newpathlive.com/d4
	Group 15- Nitrogen Group	https://newpathlive.com/d5

	Group 16- Oxygen Group	https://newpathlive.com/d6
	Group 17- Halogens	https://newpathlive.com/d7
	Group 18- Noble Gases	https://newpathlive.com/d8
	Hydrogen	https://newpathlive.com/d9
Vocabulary Review		
	Elements and the Periodic Table Vocabulary Matching Review	https://newpathlive.com/db
Virtual Investigation		
	Flame Test	https://newpathlive.com/dd
Assessment		
	Elements and the Periodic Table	https://newpathlive.com/df
Energy: Forms and Changes		https://newpathlive.com/dg
	Introduction to Energy	
	What Is Energy?	https://newpathlive.com/di
	Energy, Work and Power	https://newpathlive.com/dj
	Types of Energy	https://newpathlive.com/dk
Pause and Interact		
	Review: Energy, Work, Power	https://newpathlive.com/dm
Potential and Kinetic Energy		
	Potential Energy	https://newpathlive.com/do
	Potential Energy and Gravity	https://newpathlive.com/dp
	Calculating Gravitational Potential Energy	https://newpathlive.com/dq
	Kinetic Energy	https://newpathlive.com/dr
	Calculating Kinetic Energy	https://newpathlive.com/ds
Pause and Interact		
	Review: Potential Energy	https://newpathlive.com/du
	Review: Kinetic Energy	https://newpathlive.com/dv
Forms of Energy		

	Different Forms of Energy	https://newpathlive.com/dx
	Mechanical Energy	https://newpathlive.com/dy
	Thermal Energy	https://newpathlive.com/dz
	Chemical Energy	https://newpathlive.com/e0
	Electrical Energy	https://newpathlive.com/e1
	Nuclear Energy	https://newpathlive.com/e2
	Electromagnetic Energy	https://newpathlive.com/e3
Pause and Interact		
	Review: Forms of Energy	https://newpathlive.com/e5
	Forms of Energy	https://newpathlive.com/e6
Energy Transformation and Conservation		
	Energy Transformation	https://newpathlive.com/e8
	Friction and Thermal Energy	https://newpathlive.com/e9
	Conservation of Energy	https://newpathlive.com/ea
Pause and Interact		
	Review: Energy Transformation	https://newpathlive.com/ec
Heat and Heat Technology		
	Temperature and Heat	https://newpathlive.com/ee
	Types of Heat Transfer	https://newpathlive.com/ef
	Using Heat to Produce Electricity	https://newpathlive.com/eg
	Heat Technology	https://newpathlive.com/eh
Pause and Interact		
	Review	https://newpathlive.com/ej
Sources of Energy		
	Nonrenewable and Renewable Resources	https://newpathlive.com/el
	Fossil Fuels	https://newpathlive.com/em
	Use of Fossil Fuels	https://newpathlive.com/en
	Nuclear Energy	https://newpathlive.com/eo

		Renewable Resources	https://newpathlive.com/ep
		Pause and Interact	
		Review: Energy Resources	https://newpathlive.com/er
		Vocabulary Review	
		Energy: Forms and Changes Vocabulary Matching	https://newpathlive.com/et
		Virtual Investigation	
		Energy Transformation	https://newpathlive.com/ev
		Assessment	
		Energy: Forms and Changes	https://newpathlive.com/ex
		Forces and Motion	https://newpathlive.com/gd
		Motion	
		What Is Motion?	https://newpathlive.com/gf
		Speed	https://newpathlive.com/gg
		Calculating Speed	https://newpathlive.com/gh
		Graphing the Speed of an Object	https://newpathlive.com/gi
		Velocity	https://newpathlive.com/gj
		Pause and Interact	
		Review	https://newpathlive.com/gl
		Acceleration and Momentum	https://newpathlive.com/gm
		Acceleration and Momentum	
		Acceleration	https://newpathlive.com/go
		Calculating Acceleration	https://newpathlive.com/gp
		Acceleration on a Distance vs. Time Graph	https://newpathlive.com/gq
		Graphing Acceleration-Speed vs. Time	https://newpathlive.com/gr
		Momentum	https://newpathlive.com/gs
		Conservation of Momentum	https://newpathlive.com/gt
		Pause and Interact	

	Review	https://newpathlive.com/gv
Force		
	What Is a Force?	https://newpathlive.com/gx
	Combining Forces	https://newpathlive.com/gy
	Friction	https://newpathlive.com/gz
	Types of Friction	https://newpathlive.com/h0
Pause and Interact		
	Review	https://newpathlive.com/h2
	Forces and Friction	https://newpathlive.com/h3
Gravity		
	Law of Universal Gravitation	https://newpathlive.com/h5
	Mass and Weight	https://newpathlive.com/h6
	Gravity and Motion	https://newpathlive.com/h7
Pause and Interact		
	Review	https://newpathlive.com/h9
Newton's Laws		
	Sir Isaac Newton	https://newpathlive.com/hb
	Newton's First Law of Motion	https://newpathlive.com/hc
	Newton's Second Law of Motion	https://newpathlive.com/hd
	Second Law of Motion Equation	https://newpathlive.com/he
	Newton's Third Law of Motion	https://newpathlive.com/28m
Vocabulary Review		
	Forces and Motion Vocabulary Matching	https://newpathlive.com/hg
Virtual Investigation		
	Forces and Motion	https://newpathlive.com/hi
Assessment		
	Forces and Motion	https://newpathlive.com/hk

Light and Optics		https://newpathlive.com/j9
	Light	
	Electromagnetic Waves	https://newpathlive.com/jb
	Light: Wave or Particle	https://newpathlive.com/jc
	Electromagnetic Spectrum	https://newpathlive.com/jd
	Radio Waves and Microwaves	https://newpathlive.com/je
	Infrared	https://newpathlive.com/jf
	Visible Light	https://newpathlive.com/jg
	Ultraviolet Light	https://newpathlive.com/jh
	X-rays and Gamma Rays	https://newpathlive.com/ji
	Pause and Interact	
	Review	https://newpathlive.com/jk
	Electromagnetic Spectrum	https://newpathlive.com/jl
	Wave Interactions	
	Transmission of Light	https://newpathlive.com/jn
	Color for Opaque Objects	https://newpathlive.com/jo
	Color with Transparent or Translucent Objects	https://newpathlive.com/jp
	Combining Colors of Light	https://newpathlive.com/jq
	Colors of Pigments	https://newpathlive.com/jr
	Pause and Interact	
	Review	https://newpathlive.com/jt
	Transmission of Light	https://newpathlive.com/ju
	Interactions of Light	
	Reflection of Light	https://newpathlive.com/jw
	Refraction of Light	https://newpathlive.com/jx
	Diffraction of Light	https://newpathlive.com/jy
	Polarized Light	https://newpathlive.com/jz
	Pause and Interact	

		Review	https://newpathlive.com/k1
		Interactions of Light	https://newpathlive.com/k2
		Reflection and Mirrors	
		Plane Mirrors	https://newpathlive.com/k4
		Curved Mirrors	https://newpathlive.com/k5
		Ray Diagram of a Mirror	https://newpathlive.com/k6
		Concave Mirrors	https://newpathlive.com/k7
		Convex Mirrors	https://newpathlive.com/k8
		Pause and Interact	https://newpathlive.com/k9
		Review	https://newpathlive.com/ka
		Reflection and Mirrors	https://newpathlive.com/kb
		Refraction and lenses	
		Lenses	https://newpathlive.com/kd
		Convex Lenses	https://newpathlive.com/ke
		Concave Lenses	https://newpathlive.com/kf
		Light and the Human Eye	https://newpathlive.com/kg
		Uses of light in technology	https://newpathlive.com/kh
		Pause and Interact	
		Review	https://newpathlive.com/kj
		Reflections and Lenses	https://newpathlive.com/kk
		Vocabulary Review	
		Light and Optics Vocabulary Matching	https://newpathlive.com/km
		Virtual Investigation	
		Mirrors and Lenses	https://newpathlive.com/ko
		Assessment	
		Light	https://newpathlive.com/kg
		Properties and States of Matter	https://newpathlive.com/u0

	Introduction to Matter		
		What Is Matter?	https://newpathlive.com/u2
		Matter and Substances	https://newpathlive.com/u3
		Properties of Matter	https://newpathlive.com/u4
		Physical Properties	https://newpathlive.com/u5
		Chemical Properties	https://newpathlive.com/u6
	Pause and Interact		
		Review	https://newpathlive.com/u8
	Classes of Matter		
		Elements	https://newpathlive.com/ua
		Atoms	https://newpathlive.com/ub
		Molecules	https://newpathlive.com/uc
		Compounds	https://newpathlive.com/ud
		Mixtures	https://newpathlive.com/ue
		Solutions	https://newpathlive.com/uf
		Concentrations of Solutions	https://newpathlive.com/ug
		Suspensions and Colloids	https://newpathlive.com/uh
		Separating Mixtures	https://newpathlive.com/ui
	Pause and Interact		
		Review	https://newpathlive.com/uk
	States of Matter		
		States of Matter	https://newpathlive.com/um
		Solids	https://newpathlive.com/un
		Crystalline and Amorphous Solids	https://newpathlive.com/uo
		Liquids	https://newpathlive.com/up
		Surface Tension	https://newpathlive.com/uq
		Viscosity	https://newpathlive.com/ur
		Gases	https://newpathlive.com/us

	Boyle's Law	https://newpathlive.com/ut
	Charles's Law	https://newpathlive.com/uu
Pause and Interact		
	Review	https://newpathlive.com/uw
	States of Matter	https://newpathlive.com/ux
Changes of State		
	What Is a Change of State?	https://newpathlive.com/uz
	Physical States and Thermal Energy	https://newpathlive.com/v0
	Adding and Removing Thermal Energy	https://newpathlive.com/v1
	Changing States of Water	https://newpathlive.com/v2
	Melting	https://newpathlive.com/v3
	Freezing	https://newpathlive.com/v4
	Vaporization	https://newpathlive.com/v5
	What Affects the Boiling Point?	https://newpathlive.com/v6
	Condensation	https://newpathlive.com/v7
	Sublimation	https://newpathlive.com/v8
Pause and Interact		
	Review	https://newpathlive.com/va
Measuring Matter		
	International System of Units	https://newpathlive.com/vc
	Mass and Weight	https://newpathlive.com/vd
	Volume	https://newpathlive.com/ve
	Density	https://newpathlive.com/vf
Pause and Interact		
	Review: Pulley Types	https://newpathlive.com/vh
Vocabulary Review		
	Properties and States of Matter Vocabulary Matching	https://newpathlive.com/vj
Virtual Investigation		

		Gas Laws	https://newpathlive.com/vl
		Assessment	https://newpathlive.com/vm
		Properties and States of Matter	https://newpathlive.com/vn
Sound			https://newpathlive.com/10e
		Waves	
		What Is a Wave?	https://newpathlive.com/10g
		Energy and Waves	https://newpathlive.com/10h
		Transverse Waves	https://newpathlive.com/10i
		Longitudinal Waves	https://newpathlive.com/10j
		Amplitude	https://newpathlive.com/10k
		Wavelength	https://newpathlive.com/10l
		Frequency	https://newpathlive.com/10m
		Calculating Wave Speed	https://newpathlive.com/10n
Pause and Interact			
		Sound Waves	https://newpathlive.com/10p
		Longitudinal Waves	https://newpathlive.com/10q
		Review	https://newpathlive.com/10r
Wave Interactions			
		Reflection	https://newpathlive.com/10t
		Refraction	https://newpathlive.com/10u
		Diffraction	https://newpathlive.com/10v
		Interference	https://newpathlive.com/10w
		Standing Waves	https://newpathlive.com/10x
Pause and Interact			
		Wave Interactions	https://newpathlive.com/10z
		Review: Wave Interactions	https://newpathlive.com/110
Sound and Sound Waves			

	Sound	https://newpathlive.com/112
	Wave Interactions and Sound	https://newpathlive.com/113
	Speed of Sound	https://newpathlive.com/114
	Loudness and Amplitude	https://newpathlive.com/115
	Pitch and Frequency	https://newpathlive.com/116
	Doppler Effect	https://newpathlive.com/117
	Pause and Interact	
	Review	https://newpathlive.com/119
	Review	https://newpathlive.com/11a
	Musical Sounds	
	Quality of Sound	https://newpathlive.com/11c
	Music and Instruments	https://newpathlive.com/11d
	Fundamental Tones and Overtones	https://newpathlive.com/11e
	Resonance	https://newpathlive.com/11f
	Pause and Interact	
	Tones and Overtones	https://newpathlive.com/11h
	Review	https://newpathlive.com/11i
	Practical Applications of Sound	
	Hearing	https://newpathlive.com/11k
	Echolocation	https://newpathlive.com/11l
	Ultrasound	https://newpathlive.com/11m
	Sonar	https://newpathlive.com/11n
	Vocabulary Review	
	Sound Vocabulary Matching	https://newpathlive.com/11p
	Virtual Investigation	
	Speed of Sound	https://newpathlive.com/11r
	Assessment	
	Sound	https://newpathlive.com/11t

Work, Power & Simple Machines			https://newpathlive.com/1b7
	What Is Work?		
	Definition of Work		https://newpathlive.com/1b9
	Work and Motion		https://newpathlive.com/1ba
	Work and Direction		https://newpathlive.com/1bb
	Calculating Work		https://newpathlive.com/1bc
	A Joule Is a Unit of Work		https://newpathlive.com/1bd
	Pause and Interact		https://newpathlive.com/1be
	Review		https://newpathlive.com/1bf
	Power		
	Work and Power		https://newpathlive.com/1bh
	Definition of Power		https://newpathlive.com/1bi
	Calculating Power		https://newpathlive.com/1bj
	Power Example		https://newpathlive.com/1bk
	A Watt Is a Unit of Power		https://newpathlive.com/1bl
	Pause and Interact		
	Review		https://newpathlive.com/1bn
	Machines and Work		
	What Is a Machine?		https://newpathlive.com/1bp
	Input and Output Forces and Work		https://newpathlive.com/1bq
	Calculating Work Input and Output		https://newpathlive.com/1br
	How Machines Make Work Easier		https://newpathlive.com/1bs
	Decreasing Input Force		https://newpathlive.com/1bt
	Increasing the Input Force		https://newpathlive.com/1bu
	Changing the Direction of the Force		https://newpathlive.com/1bv
	Pause and Interact		
	Review		https://newpathlive.com/1bx

	Mechanical Advantage and Efficiency	
	Mechanical Advantage	https://newpathlive.com/1bz
	Calculating Mechanical Advantage	https://newpathlive.com/1c0
	Efficiency of Machines	https://newpathlive.com/1c1
	Calculating Mechanical Efficiency	https://newpathlive.com/1c2
	Pause and Interact	
	Review	https://newpathlive.com/1c4
	Types of Simple Machines	
	Types of Simple Machines	https://newpathlive.com/1c6
	Inclined Plane	https://newpathlive.com/1c7
	Wedge	https://newpathlive.com/1c8
	Screw	https://newpathlive.com/1c9
	Lever	https://newpathlive.com/1ca
	Classes of Levers	https://newpathlive.com/1cb
	Wheel and Axle	https://newpathlive.com/1cc
	Pulley	https://newpathlive.com/1cd
	Types of Pulleys	https://newpathlive.com/1ce
	Pause and Interact	
	Review: Pulley Types	https://newpathlive.com/1cg
	Review: Mechanical Advantage	https://newpathlive.com/1ch
	Simple Machines	https://newpathlive.com/1ci
	Simple Machines in the Body	
	Simple Machines in the Body	https://newpathlive.com/1ck
	Compound Machines	
	Compound Machines	https://newpathlive.com/1cm
	Vocabulary Review	
	Vocabulary Matching Review	https://newpathlive.com/1co
	Virtual Investigation	

	Exploring Pulleys	https://newpathlive.com/1cq
Assessment		
	Work, Power and Simple Machines	https://newpathlive.com/1cs

ELEMENTARY SCIENCE MULTIMEDIA LESSONS GR. 3-5

All About Energy		https://newpathlive.com/2or
Explain		https://newpathlive.com/2os
	What is Energy?	https://newpathlive.com/2ot
	Energy for Life	https://newpathlive.com/2ou
	Energy from the Sun	https://newpathlive.com/2ov
	Sources of Energy	https://newpathlive.com/2ow
	Sources of Energy	https://newpathlive.com/2ox
	Energy in Motion - Kinetic Energy	https://newpathlive.com/2oy
	Stored Energy - Potential Energy	https://newpathlive.com/2oz
	Potential or Kinetic Energy?	https://newpathlive.com/2p0
	Chemical Energy	https://newpathlive.com/2p1
	Sound Energy	https://newpathlive.com/2p2
	Light Energy	https://newpathlive.com/2p3
	Electrical Energy	https://newpathlive.com/2p4
	Thermal Energy	https://newpathlive.com/2p5
	Transfer of Energy	https://newpathlive.com/2p6
	Energy Flow in an Ecosystem	https://newpathlive.com/2p7
	Energy Sources	https://newpathlive.com/2p8
	Renewable and Nonrenewable Energy	https://newpathlive.com/2p9
	All About Energy	https://newpathlive.com/2pa
Elaborate		
	Transfer of Energy	https://newpathlive.com/2pc
	Procedure	https://newpathlive.com/2pd

	Evaluate	
	All About Energy	https://newpathlive.com/2pf
	Lesson Summary	
	All About Energy	https://newpathlive.com/2ph
	All About Matter	https://newpathlive.com/2n4
	Explain	https://newpathlive.com/2n5
	What is Matter?	https://newpathlive.com/2n6
	Describing Matter	https://newpathlive.com/2n7
	Properties of Matter	https://newpathlive.com/2n8
	Properties of Matter - Use your Senses	https://newpathlive.com/2n9
	Properties that Can be Measured	https://newpathlive.com/2na
	Sorting Physical Properties of Matter	https://newpathlive.com/2nb
	Measuring Mass	https://newpathlive.com/2nc
	Measuring Volume of a Liquid	https://newpathlive.com/2nd
	Finding the Volume of a Solid Object	https://newpathlive.com/2ne
	Measuring Density	https://newpathlive.com/2nf
	Buoyancy and Density	https://newpathlive.com/2ng
	Measuring Temperature	https://newpathlive.com/2nh
	Tools for Measuring Matter	https://newpathlive.com/2ni
	Attraction to Magnets	https://newpathlive.com/2nj
	Which are magnetic?	https://newpathlive.com/2nk
	States of Matter	https://newpathlive.com/2nl
	Solids, Liquids, and Gases	https://newpathlive.com/2nm
	Solids, Liquids and Gases	https://newpathlive.com/2nn
	State Changes in Water	https://newpathlive.com/2no
	Condensation - Gas to Liquid	https://newpathlive.com/2np
	Changes to Matter	https://newpathlive.com/2nq

		Physical Changes to Matter	https://newpathlive.com/2nr
		Chemical Changes to Matter	https://newpathlive.com/2ns
		Changes in Matter	https://newpathlive.com/2nt
		Mixtures	https://newpathlive.com/2nu
		Solutions	https://newpathlive.com/2nv
		Mixtures and Solutions	https://newpathlive.com/2nw
		All About Matter	https://newpathlive.com/2nx
Elaborate			
		Matter Measurements	https://newpathlive.com/2nz
Evaluate			
		All About Matter	https://newpathlive.com/2o1
Lesson Summary			
		All About Matter	https://newpathlive.com/2o3
How Does the Earth's Surface Change?			https://newpathlive.com/2tr
Explain			https://newpathlive.com/2ts
		The Earth	https://newpathlive.com/2tt
		Earth's Core	https://newpathlive.com/2tu
		Earth Inside and Out Interactive Activity	https://newpathlive.com/2tv
		Landforms	https://newpathlive.com/2tw
		Examples of Landforms	https://newpathlive.com/2tx
		Erosion and Deposition	https://newpathlive.com/2ty
		Landforms Interactive Matching Activity	https://newpathlive.com/2tz
		Weathering	https://newpathlive.com/2u0
		Physical Weathering	https://newpathlive.com/2u1
		Chemical Weathering	https://newpathlive.com/2u2
		Soil	https://newpathlive.com/2u3
		Physical and Chemical Weathering Interactive Activity	https://newpathlive.com/2u4

		Earth's Plates	https://newpathlive.com/2u5
		Earthquakes	https://newpathlive.com/2u6
		Volcanoes	https://newpathlive.com/2u7
		Volcanic Islands	https://newpathlive.com/2u8
		Types of Natural Processes Matching Interactive	https://newpathlive.com/2u9
		How Does The Earth's Surface Change?	https://newpathlive.com/2ua
	Evaluate		
		How Does The Earth's Surface Change?	https://newpathlive.com/2uc
	Lesson Summary		
		How Does The Earth's Surface Change?	https://newpathlive.com/2ue
Life Cycles of Plants and Animals			https://newpathlive.com/2rq
	Explain		https://newpathlive.com/2rr
		Plants	https://newpathlive.com/2rs
		Main Parts of Plants	https://newpathlive.com/2rt
		Roots	https://newpathlive.com/2ru
		Stem	https://newpathlive.com/2rv
		Leaves	https://newpathlive.com/2rw
		Flowers	https://newpathlive.com/2rx
		Parts of a Plant Interactive Matching Activity	https://newpathlive.com/2ry
		What a plant needs to grow...	https://newpathlive.com/2rz
		Germination	https://newpathlive.com/2s0
		Plants have different life cycles...	https://newpathlive.com/2s1
		Bean Plant Life Cycle	https://newpathlive.com/2s2
		Bean Plant Life Matching Interactive	https://newpathlive.com/2s3
		Animals	https://newpathlive.com/2s4
		Animals with backbones	https://newpathlive.com/2s5
		Animals without backbones	https://newpathlive.com/2s6

	Animal Growth & Reproduction	https://newpathlive.com/2s7
	Frog Life Cycle	https://newpathlive.com/2s8
	Frog Life Cycle Matching Interactive	https://newpathlive.com/2s9
	Butterfly Life Cycle	https://newpathlive.com/2sa
	Butterfly Life Cycle Matching Interactive	https://newpathlive.com/2sb
	Dragonfly Life Cycle	https://newpathlive.com/2sc
	Dragonfly Life Cycle Matching Interactive	https://newpathlive.com/2sd
	Inheritance of Traits	https://newpathlive.com/2se
	Animal Variation Due to Inherited Traits	https://newpathlive.com/2sf
	Variation Due to Environment	https://newpathlive.com/2sg
	Variation Interactive Matching Activity	https://newpathlive.com/2sh
	Adaptation	https://newpathlive.com/2si
	Adaptation Interactive Matching Activity	https://newpathlive.com/2sj
	Life Cycles of Plants and Animals	https://newpathlive.com/2sk
Evaluate		
	Life Cycles of Plants and Animals	https://newpathlive.com/2sm
Lesson Summary		
	Life Cycles of Plants and Animals	https://newpathlive.com/2so
What are Ecosystems?		https://newpathlive.com/2ey
Engage		
	Environment	https://newpathlive.com/2f0
Explore		
	A Pond Through a Magnifying Glass	https://newpathlive.com/2f2
Explain		https://newpathlive.com/2f3
	Environment	https://newpathlive.com/2f4
	Living and Nonliving Things	https://newpathlive.com/2f5
	Living or Nonliving?	https://newpathlive.com/2f6

		What is an Ecosystem?	https://newpathlive.com/2f7
		An Organism's Habitat and Niche	https://newpathlive.com/2f8
		Population and Community	https://newpathlive.com/2f9
		Parts of an Ecosystem	https://newpathlive.com/2fa
		How does an Ecosystem Work?	https://newpathlive.com/2fb
		Matching Parts of the Ecosystem	https://newpathlive.com/2fc
		Kinds of Ecosystems	https://newpathlive.com/2fd
		Energy in an Ecosystem	https://newpathlive.com/2fe
		Producers, Consumers & Decomposers	https://newpathlive.com/2ff
		Living Organisms Sorting	https://newpathlive.com/2fg
		How Do Ecosystems Change?	https://newpathlive.com/2fh
		An Ecosystem After a Fire	https://newpathlive.com/2fi
		What are Ecosystems?	https://newpathlive.com/2fj
	Elaborate		
		Exploring Ecosystems	https://newpathlive.com/2fl
	Evaluate		
		What are Ecosystems?	https://newpathlive.com/2fn
	Lesson Summary		
		What are Ecosystems?	https://newpathlive.com/2fp
What is Weather?			https://newpathlive.com/2fq
	Explain		https://newpathlive.com/2fr
		Our Atmosphere	https://newpathlive.com/2fs
		Water on Earth	https://newpathlive.com/2ft
		The Water Cycle	https://newpathlive.com/2fu
		States or Forms of Water	https://newpathlive.com/2fv
		Evaporation	https://newpathlive.com/2fw
		Condensation	https://newpathlive.com/2fx

		Precipitation	https://newpathlive.com/2fy
		Water Cycle Terms	https://newpathlive.com/2fz
		What is Weather?	https://newpathlive.com/2g0
		Who studies weather?	https://newpathlive.com/2g1
		Measuring Weather Conditions	https://newpathlive.com/2g2
		Sky Condition	https://newpathlive.com/2g3
		Types of Clouds	https://newpathlive.com/2g4
		Types of Clouds - Cirrus Clouds	https://newpathlive.com/2g5
		Types of Clouds - Cumulus Clouds	https://newpathlive.com/2g6
		Types of Clouds - Stratus Clouds	https://newpathlive.com/2g7
		Cloud Types	https://newpathlive.com/2g8
		Precipitation	https://newpathlive.com/2g9
		Humidity	https://newpathlive.com/2gb
		Air Temperature	https://newpathlive.com/2gd
		Air Pressure	https://newpathlive.com/2gf
		Wind Speed and Direction	https://newpathlive.com/2gh
		Wind	https://newpathlive.com/2gi
		Identifying Weather Instruments	https://newpathlive.com/2gk
		What is Weather?	https://newpathlive.com/2gl
	Elaborate		
		Weather Station	https://newpathlive.com/2gn
		Weather Station	https://newpathlive.com/2go
	Evaluate		
		What is Weather?	https://newpathlive.com/2gg
	Lesson Summary		
		What is Weather?	https://newpathlive.com/2gs