

Earth's Surface *Learning Guide*



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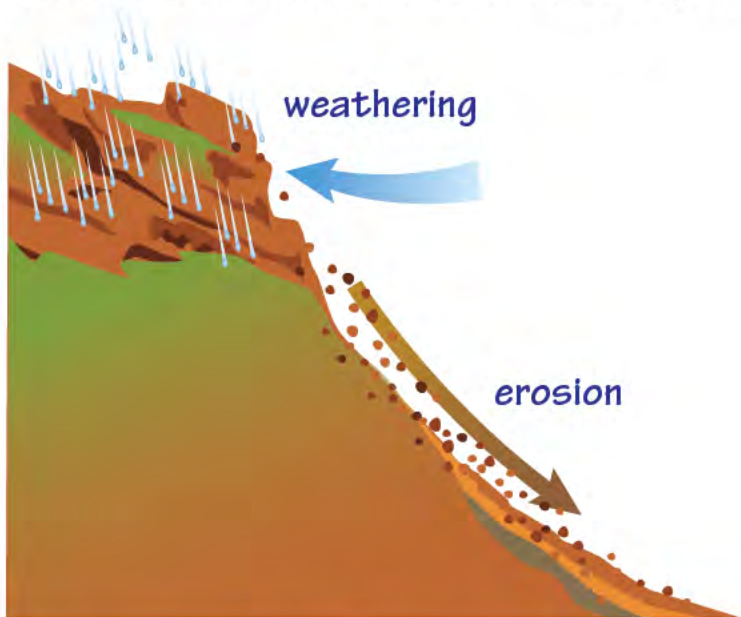
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WEATHERING & EROSION OVERVIEW

Weathering and Erosion

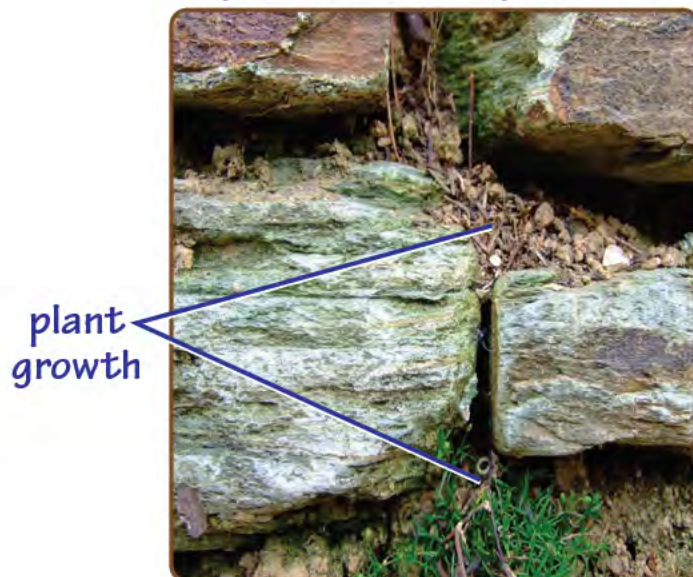
Forces of **weathering** and **erosion** are constantly reshaping the Earth's surface. **Weathering** is a group of natural processes that **break rock into smaller pieces** over time. Erosion occurs when rock and soil are **transported**.



Mechanical and Chemical Weathering

The two types of weathering are **mechanical** and **chemical**. **Mechanical weathering** is the **physical decomposition** of rocks. **Chemical weathering** is the decomposition of rocks by chemical reactions.

Mechanical physical decomposition



Chemical chemical reactions



How Is Rock Eroded?

Rock can be eroded by many forces such as **blowing wind**, **running water**, **ocean waves**, **flowing ice** and **gravity**. These forces all contribute to sculpting the Earth's landscape.



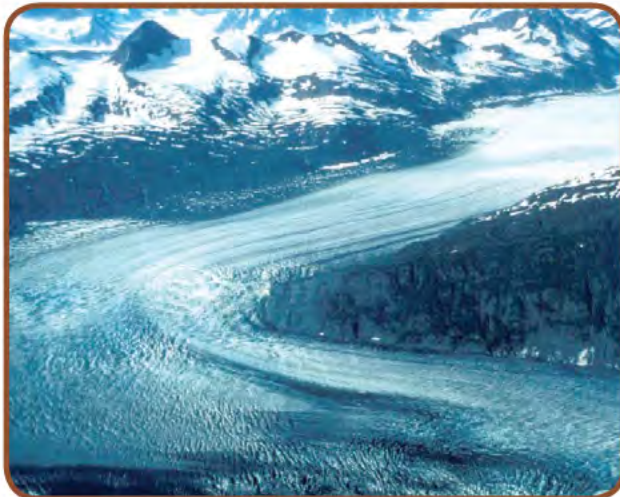
wind



water



waves



flowing ice



gravity