



Weather or Not the School Grounds or Playground

The process that breaks down rocks is called weathering. The process that carries away debris is called erosion. Look at these websites to investigate both before you go outside.

<http://wiki.kidzsearch.com/wiki/Erosion>

<http://wiki.kidzsearch.com/wiki/Weathering>

There are two types of weathering:

1. Physical weathering is when a rock is broken into smaller and smaller pieces. This process could be a result of the following:

- a. Alternating water's freezing and thawing action
- b. Plant roots wedging the rock apart
- c. Burrowing animals moving soil and rocks
- d. The breaking up of rock due to human activity

2. Chemical weathering is when the rocks change due to different chemical reactions. This process could be a result of one of the following:

- a. When water and iron oxidize and become rust.
- b. When a mild acid from rain water deteriorates the rock, paint, or building's surface.

Explore your school's grounds and playground looking for the effects of weathering.

WHAT IS WEATHERED	WHAT TYPE OF WEATHERING
WHAT IS ERODED	HOW WAS IT ERODED