

Weathering Study Guide

Write this definition (have it memorized for the test).

weathering - _____

Complete this chart by listing all of the types of weathering you have recorded in your notes. Sort them into the correct categories. **hint* Practice this with notecards.*

| Physical Weathering | Chemical Weathering |
|---------------------|---------------------|
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| | |

Write the definitions of each of these words. Be able to correctly match the words to their definitions on the test.

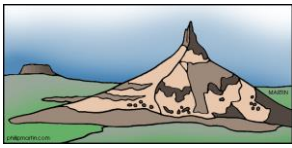
abrasion - _____

oxidation - _____

exfoliation - _____

acid precipitation - _____

ice wedging - _____



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chemical weathering - _____

physical weathering - _____

A scientist looking at different rocks made these observations. Tell what most likely happened to the rock in each observation. (Include if it was physical weathering or chemical weathering, and what from the chart on the first page specifically caused that rock's characteristics.) *Be able to do other similar explanations in addition to these... to prepare, re-read your notes and underlined parts of your packet. Looking at the images may also help.

Rock 1: The rock is a reddish color on its surface, but when I break it open the inside is not red.

_____ weathering; _____

Rock 2: The rock is very smooth and rounded.

_____ weathering; _____

Rock 3: The rock is sharply cracked apart. It is located with many other similar rocks near the bottom of a steep hill.

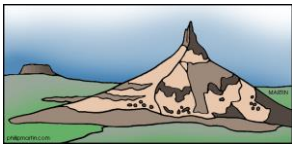
_____ weathering; _____

Rock 4: The rock is a stalagmite. It is in an underground cave system.

_____ weathering; _____

Be able to correctly order a sequence of events related to weathering of rocks. These will be from your packet's descriptions. I will give you the events, and ask you to number them in the order they happened. Here is one example of what this might be like on your test:

- _____ The rock splits apart.
- _____ The plant's roots grow larger.
- _____ A small plant begins growing in a small crack in a rock.
- _____ The pressure forces the crack to become larger.



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Be able to tell what form of weathering would be common in a given location and explain your answer. *Include if it is chemical or physical weathering AND something from the chart on the first page.*

Sample locations are:

along a coastline _____

in Chicago, a large city with many factories _____

in Kansas _____

in the Rocky Mountains _____

in the desert _____

in Missouri's "Carlsbad Caverns" _____
