

Section 12.1 Pgs 218-223

1. The change in physical form or chemical composition of rock materials exposed at the earth's surface is

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Please place the word "Chemical" for Chemical weathering or the word "Physical" for mechanical weathering in the space to the left of the phrase that describes the process.

2. \_\_\_\_\_ A chemical reaction takes place between minerals in the rock and carbon dioxide, water, oxygen and acids.
3. \_\_\_\_\_ A physical process that involves the breaking down of a substance into smaller pieces.
4. \_\_\_\_\_ The chemical composition and physical appearance of the rock are changed.
5. \_\_\_\_\_ A change in the composition of a rock when it reacts with water.
6. \_\_\_\_\_ Collision of rocks with one another resulting in the breaking apart of rocks.
7. \_\_\_\_\_ Ice wedging.
8. \_\_\_\_\_ Carbonation.
9. \_\_\_\_\_ Organic Activity.
10. \_\_\_\_\_ Hydrolysis.
11. \_\_\_\_\_ Abrasion.
12. \_\_\_\_\_ Water seeps into rock joints and expands when frozen.
13. \_\_\_\_\_ Water and Carbon Dioxide  $\longrightarrow$  Carbonic Acid
14. \_\_\_\_\_ The formation of caves in limestone rock layers.
15. \_\_\_\_\_ Plants roots growing into rock cracks and expanding the cracks.
16. \_\_\_\_\_ Iron and Oxygen  $\longrightarrow$  Iron Oxide
17. \_\_\_\_\_ Acid Rain
18. \_\_\_\_\_ The ability of certain plants to release acid through their roots.