

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 _____

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 → 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 → Iron Oxide
17. _____ Acid Rain
18. _____ The ability of certain plants to release acid through their roots.