

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 \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.