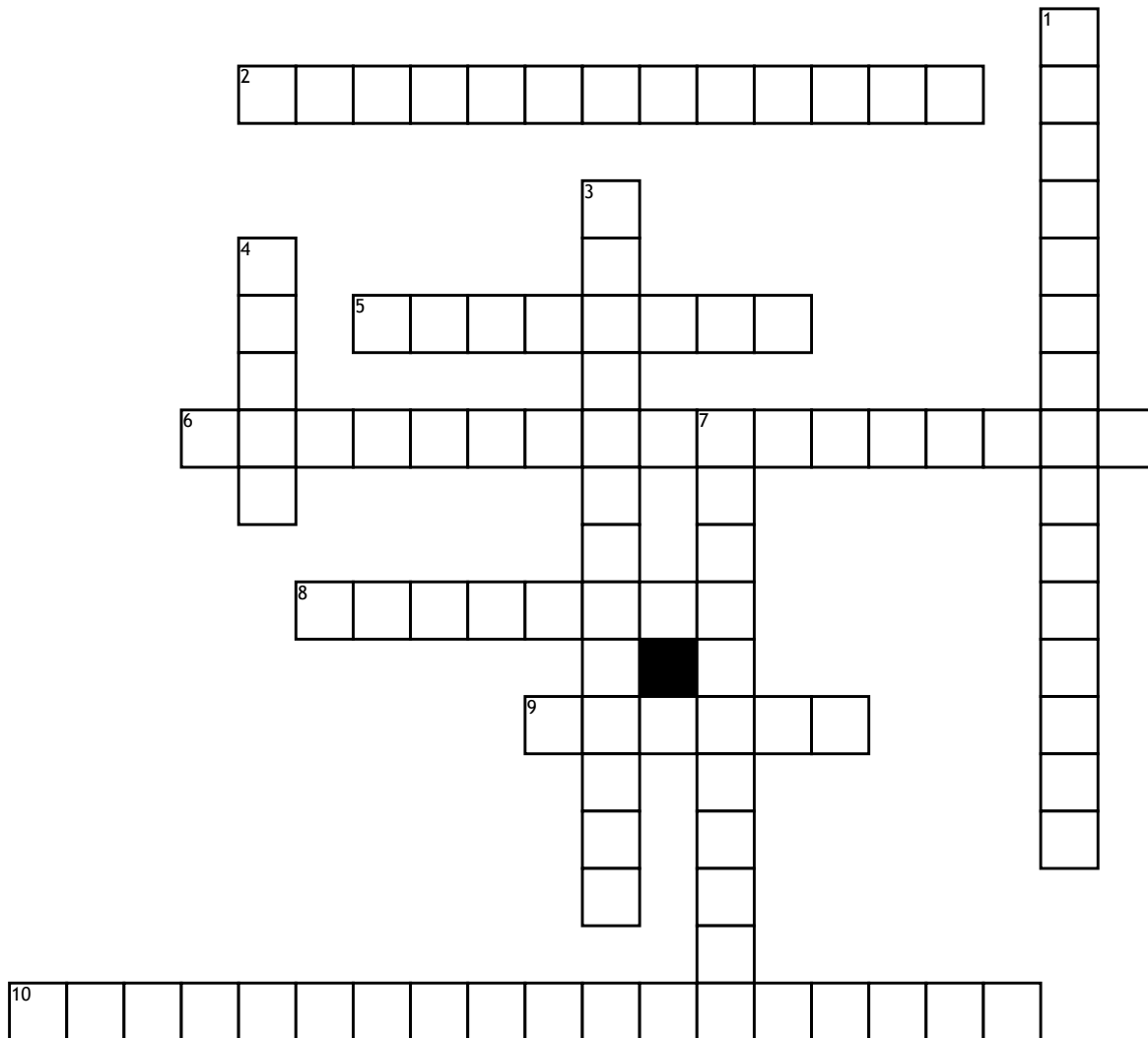


Chemical and Physical Weathering



Across

2. Physical Weathering. Animals that burrow in the ground loosen and break apart soil.
5. Chemical Weathering. Rain water is naturally acidic however, burning coal, oil and gas pollute the air. _____ causes very rapid chemical weathering of rock.
6. Physical Weathering. Pressure causes the outside of the rock to crack and flake off like the layers of an onion.
8. Physical Weathering. Sand and other rock particles that are carried by wind, water or ice can wear away exposed rock surfaces like sandpaper on wood.
9. This gas is an important cause of chemical weathering. Iron combines with _____ in the presence of water in a process called oxidation. The product of iron oxidation is rust.

10. Physical Weathering. When water freezes in a crack in a rock, it expands and makes the crack bigger.

Down

1. These cause chemical weathering by plant's roots growing and producing weak acids that slowly dissolve rock around the roots.
3. Another gas found in air. It also causes chemical weathering when it dissolves in water. The result is a weak acid called carbonic acid. It weathers rock including chalk and limestone easily.
4. This weathers some rock by dissolving it. It will seep through spaces in the rock. There are chemicals in the _____, such as oxygen and carbon dioxide
7. Physical Weathering. Plant roots enter cracks in rocks. As roots grow, they force the cracks apart.