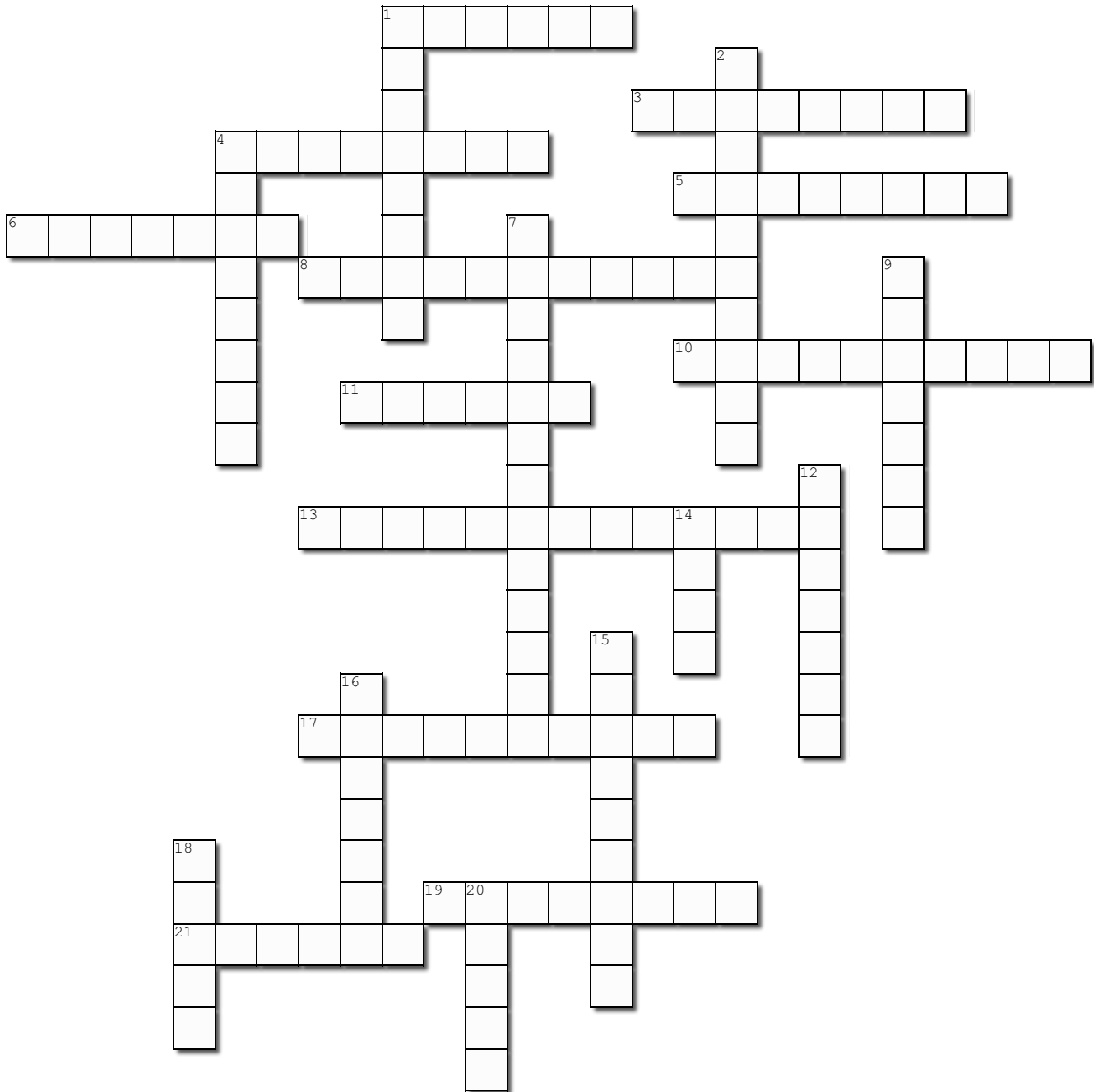


Weathering and Soil

Complete the crossword puzzle below using your brain, the internet, and your notes.



Created using the Crossword Maker on TheTeachersCorner.net

organiclitter acidrain abrasion humus burrow weathering oxidation lichen icewedging false

physical mechanical chemical parent fertile true physical subsoil bedrock chemical plantaction

carbondioxide erosion chemical

Across

1. Soil horizon C is made of weathered _____ material.
3. What type of weathering occurs when you have chemical changes?
4. This type of weathering occurs when rocks rub against each other.
5. Oxidation is an example of _____ weathering.
6. This soil horizon has clay and mineral deposits and less organic material than the layers above it.
8. This is the type of weathering when plant roots grow into the cracks of rocks and pushes them apart.
10. This type of weathering occurs when water seeps into cracks of rocks and freezes pushing the rock apart.
11. Animals can weather rocks when the _____ into the ground and break the rock apart.
13. This is another name for soil horizon O.
17. What is the process of breaking down rocks and other substances at Earth's surface called?
19. Warm and wet climates favor _____ weathering.
21. This is an example of a type of plant that grows on rocks and makes weak acids.

Down

1. Cold and dry climates favor _____ weathering.
2. What type of weathering occurs when you break something into smaller pieces but you don't change it chemically?
4. Burning fossil fuels creates _____.
7. When _____ dissolves in rainwater it makes carbonic acid.
9. This is the deepest soil horizon.
12. The movement of rock particles by wind, water, ice, or gravity.
14. True or False, water can cause chemical weathering?
15. This is another word for rusting.
16. Bed rock contains the least amount of humus making it the least _____ horizon.
18. True or false, Top soil is less fertile than the organic litter horizon.
20. The top soil horizon is the most fertile due the the abundance of _____.