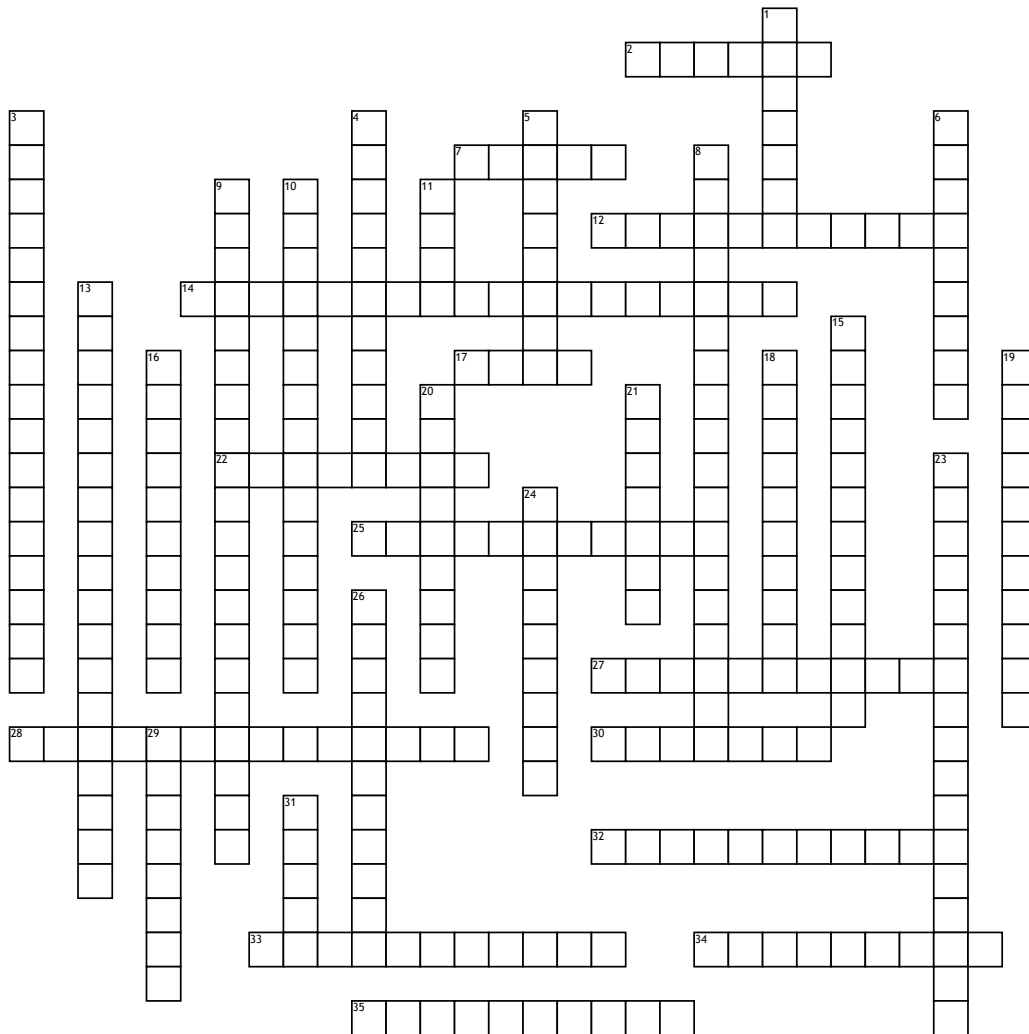


Name: _____

Date: _____

Physical and Chemical Weathering



Across

2. The chemical element with the symbol O
7. Made up with minerals, crystalline structures
12. Can be rounded and smoothed as rocks are tumbled in water
14. Rocks soils and minerals being slowly broken down
17. Carries small particles in the air
22. Rubbing away by friction
25. Caused when tree root grows around a rock
27. A plant can grow larger and roots can grow inside small cracks and put pressure on a rock
28. Rocks formed under pressure deep within the earth becomes exposed at the surface
30. Rocks being broken down into smaller pieces
32. Caused be carbonic acid in water reacting with and degrading rock
33. Rocks break as water freezes in cracks
34. Oxygen in the air or water can cause chemical weathering
35. Process in which a rock absorbs water into chemical struco

Down

1. Caused by substances that get into holes and cracks in rock and expand outwards
3. Causes to expand and decrease
4. Chemicals are deposited by dropping water under ground
5. Rain with increased acidity cause by environmental factors
6. The process of causing something to absorb water
8. Produce weak acids
9. Physical disintegration of exposed rock without change in the chemical composition of the rock
10. The outward expanding force of pressure
11. The loose covering of rock particles and decaying organic matter
13. Causes change in both the composition and appearance of rocks
15. Digging burrows in the ground allowing rocks to be exposed
16. Physical and chemical processes that break down rock on earths surface

18. Cracks in rocks expand as water seeps in and freezes
19. The process by which the outer layers of rocks slowly peel away
20. Chemical compounds composed of iron and oxygen
21. Rocks can be broken down in a land slide
23. Rocks containing iron can easily go under chemical weathering
24. The most common chemical weathering process
26. Found in caves formed upward from the ground
29. Dissolving minerals in water
31. A colorless transparent odorless liquid

Word Bank

| | | | | |
|---------------------|-----------------------|-----------------------|---------------------|------------------|
| Animal action | Mechanical weathering | Pressure change | Exfoliation | Stalactites |
| Frost action | Hydrolysis | Acid in living things | Water | Carbonation |
| Oxygen | Moving water | Chemical weathering | Physical weathering | Oxidation |
| Weathering | Ice wedging | Plant growth | Wedging | Hydration |
| Color changing rock | Wind | Root wedging | Solution | Iron oxide |
| Reduction | Gravity | Rocks | Stalagmites | Acid rain |
| Temperature change | Abrasion | Erosion | Soil | Pressure release |