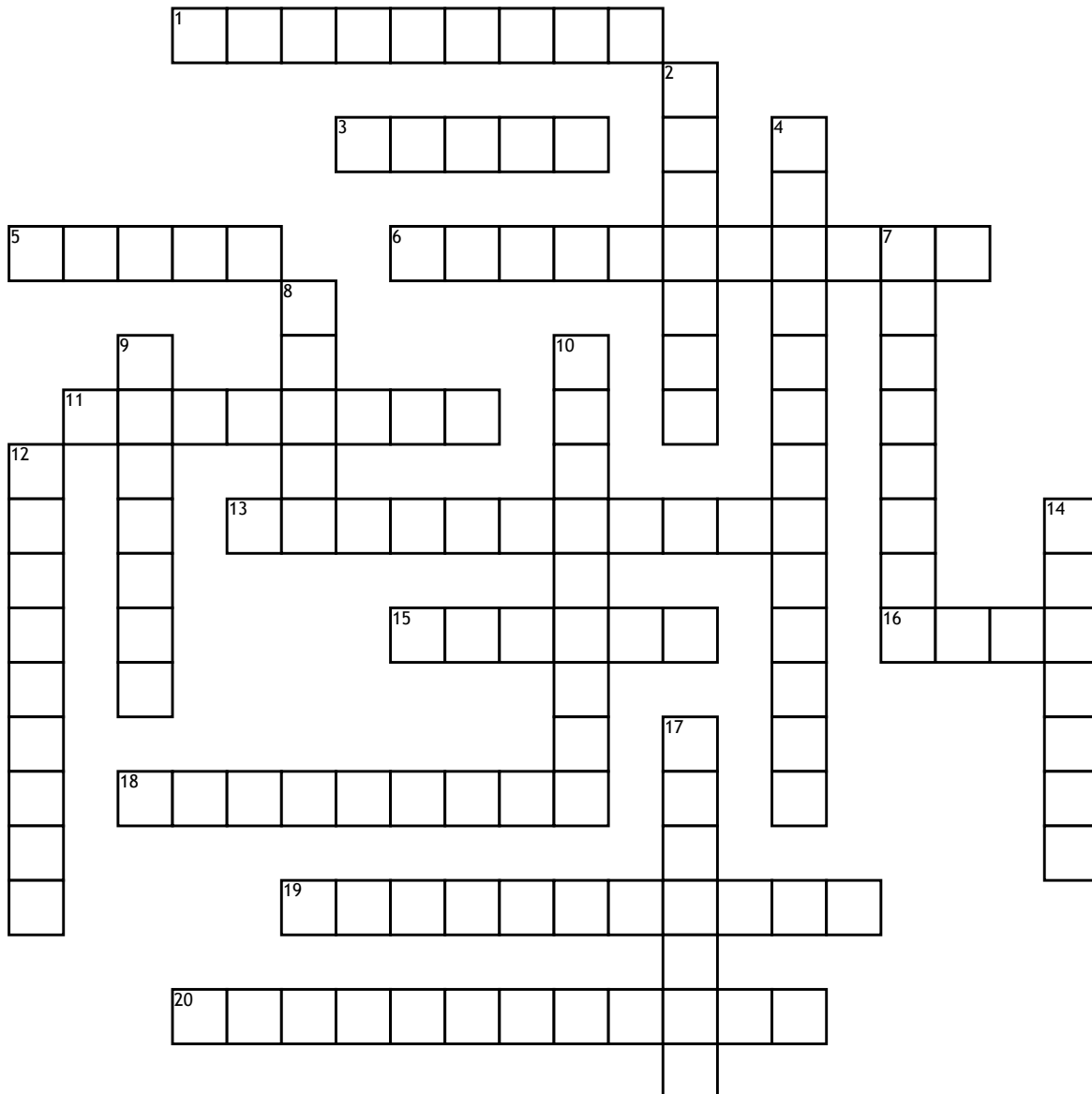


Types of Rocks



Across

1. An igneous rock formed when lava cools on the earth's surface
3. The dark colored, heavy igneous rock that is rich in iron, magnesium, and calcium
5. The melted rock beneath the earth's surface
6. A type of rock formed from sediments that have been compacted and cemented together
11. A rock structure with visible layers or bands aligned in planes
13. A type of rock formed when the structure and mineral composition of existing rock change because of heat, pressure, and chemical reactions
15. A light-colored, lightweight igneous rock that is rich in silicon, aluminum, sodium, and potassium

16. The magma that has reached the earth's surface

18. The process by which one rock type changes into another

19. A structure with no visible layers or bands

20. The process of change in the structure and mineral composition of a rock

Down

2. The process by which one rock type changes into another

4. The process that transforms layers of rock fragments into sedimentary rock

7. Metamorphism that occurs when large regions of the earth's crust are affected by high temperatures and pressure

8. A type of clastic rock composed of silt-and clay-sized particles in flat layers

9. Metamorphism that occurs when the heat of magma comes in contact with existing rocks

10. An igneous rock formed when magma cools beneath the earth's surface

12. Particles of minerals, rock fragments, shells, leaves, and the remains of once-living things

14. A sedimentary rock made of rock particles and fragments deposited by water, wind, or ice

17. Metamorphism that is produced by mechanical force