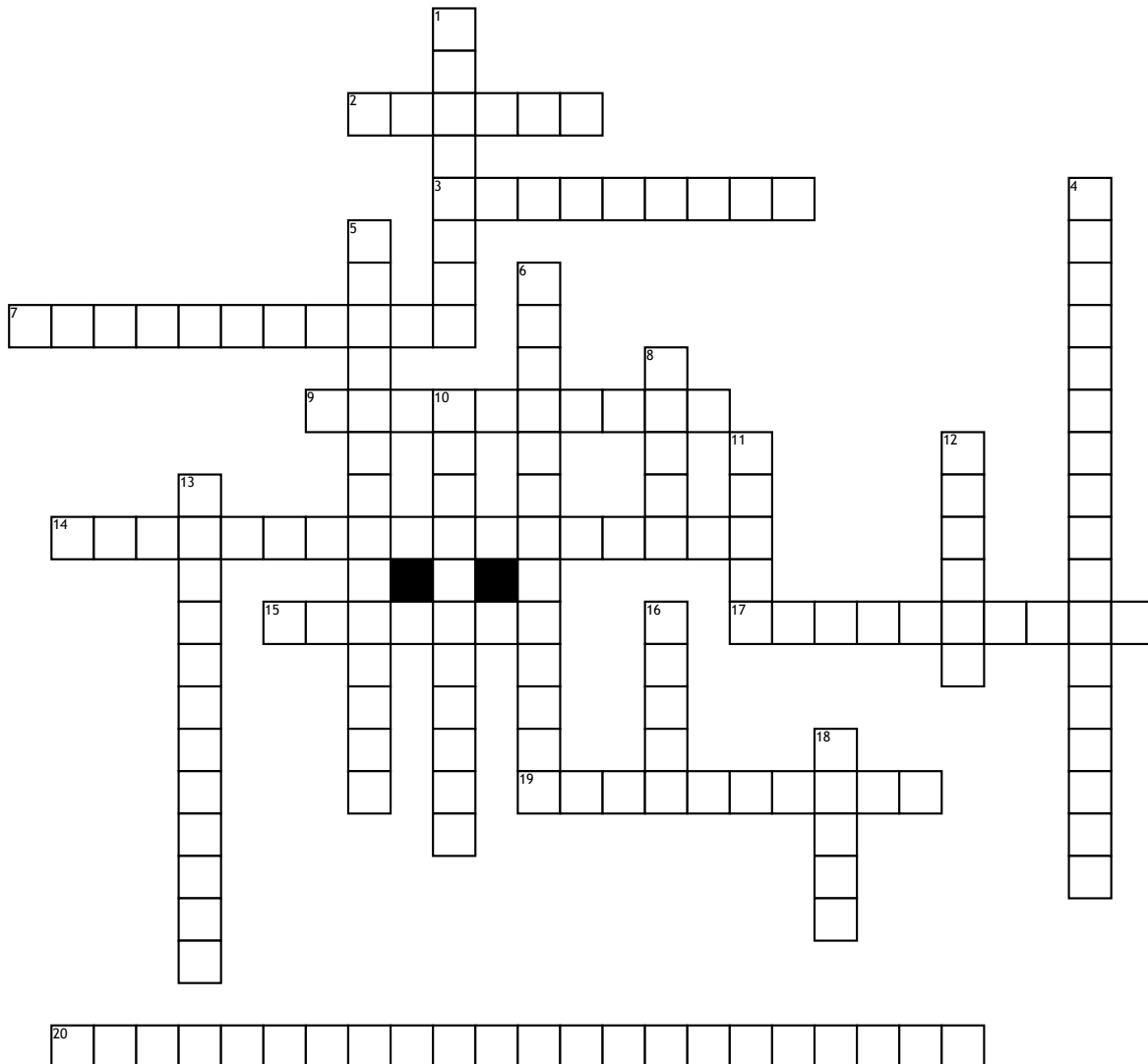


plate tectonics



Across

2. rigid sections of the lithosphere that move as a unit
 3. branch of geology that deals with the movements that shape the Earth's crust
 7. the first type of seismic wave to be recorded in a seismic station
 9. a record made by a seismograph
 14. a chain of volcanoes that develop parallel to a trench
 15. the science that studies Earth
 17. an event in which a slab of rock thrusts into the mantle

19. vibration of Earth due to the rapid release of energy

20. a boundary produced when two plates slide past each other

Down

1. any break in a rock in which no significant movement has taken place
 4. a region where the crustal plates are moving apart
 5. a theory which suggests that Earth's crust is made up of plates that interact in various ways, thus producing earthquakes, mountains, volcanoes, and other geologic features

6. type of earthquake wave to be recorded in a seismic station
 8. a mass of molten rock formed at depth, including dissolved gases and crystals.

10. a device used to record earthquake waves
 11. consolidated mixture of minerals
 12. a depression in the seafloor produced by subduction process
 13. the thin part of the Earth's crust located under the oceans
 16. the outer portion of the earth
 18. a break in a rock along which movement has occurred