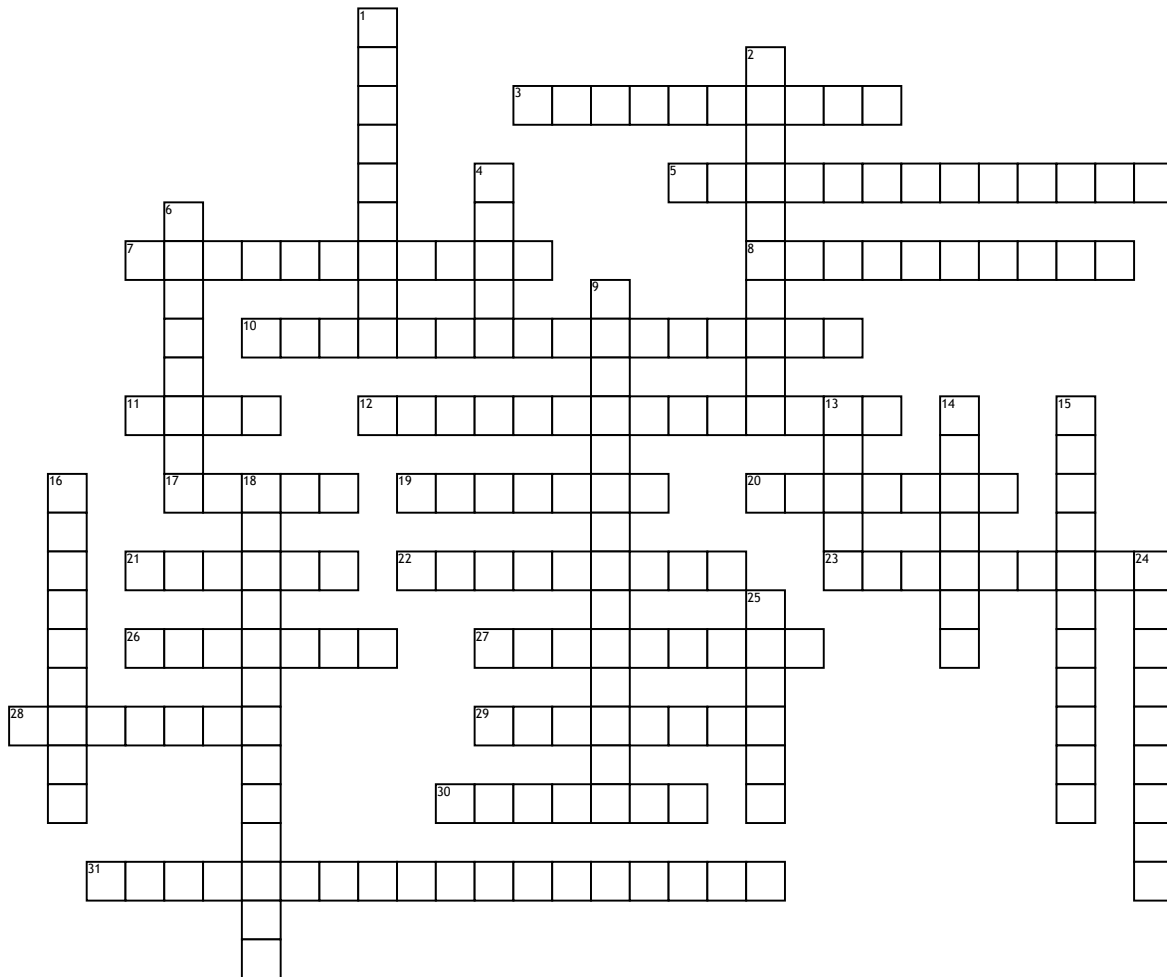


Earth's Interior & Plate Tectonics



Across

3. A natural rapid shaking of the lithosphere caused by the release of energy
 5. This feature forms when two ocean plates separate
 7. This crust is made up of granitic rock
 8. When two plates collide
 10. This theory stated that continents once existed as one big supercontinent
 11. The mantle is separated from the crust by a thin interface called the
 12. This theory states that Earth's lithosphere is broken up into sections or pieces
 17. This seismic wave can only travel through solids
 19. A large ocean wave produced by disruption of the ocean floor
 20. Rocks that are found closer to the Mid Ocean Ridge are

21. This layer makes up 84% of the Earth's Mass
 22. Seafloor spreading is an example of this plate boundary
 23. When two plates slide past each other
 26. This scientist had his theory initially rejected
 27. The liquid layer of the earth
 28. A mountain composed of extrusive Igneous Rock
 29. What is Ms. Schilling's favorite rock?
 30. These waves help us understand the composition of the earth
 31. This heat transfer drives plate motion due to density differences

Down

1. When two plates separate
 2. This process occurs when two plates of different densities converge

4. This seismic wave can travel through solids, liquids and gases
 6. Major regions of volcanic activity that are usually in the interior of plates away from boundaries
 9. The study of earth's past magnetic field, which serves as evidence of plate tectonics
 13. The least dense layer of the earth
 14. This crust is made of basaltic rock
 15. The layer of rock that forms the outer shell at the top of Earth's Interior
 16. This is the hottest and densest layer
 18. This layer contains the convection currents
 24. This feature forms when two continental plates collide
 25. This feature forms when an oceanic and continental plate collide