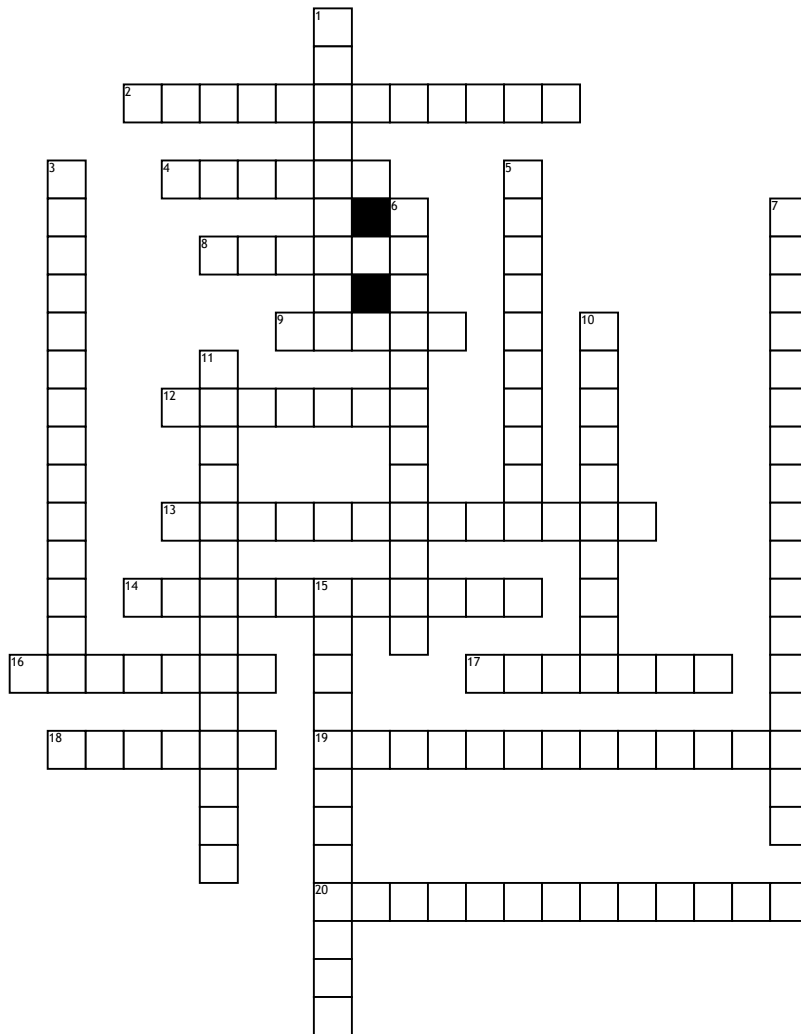


Plate Tectonics



Across

2. thinner, more dense, younger crust making ocean floor
 4. term for the super continent which contained all the plates together
 8. The layer of hot, solid material between Earth's crust and core. The thickest layer
 9. The thin and solid outermost layer of the Earth above the mantle
 12. A weak spot in the crust where magma has come to the surface
 13. The location of the deepest trench on earth made from two oceanic crusts converging
 14. The solid, outer layer of the Earth that consists of the the crust and the rigid upper part of the mantle

16. an area in the mantle that is super heated and melts through the crust
 17. A giant wave usually caused by an earthquake beneath the ocean floor.
 18. extremely deep areas in the ocean that are created by a subducting plate
 19. an underwater mountain range made at divergent plate boundaries
 20. Proposed the continental drift theory in the 1900s

6. measures and records earthquake magnitude based on the energy released in an earthquake
 7. a current caused by the rising of heated fluid and sinking of cooled fluid believed to drive plate movement in the mantle of the earth
 10. process in which two plates collide and the denser ocean plate descends below the other
 11. Inactive, sleeping
 15. measures and records earthquake magnitude based on the energy released in an earthquake

Down

1. The location on the surface directly above the focus
 3. A volcano that has not erupted for thousands of years and probably will not erupt again.
 5. A shaking or sliding of the ground

Word Bank

- | | | | | |
|-----------------|----------------|-----------------|--------------------|-----------------|
| hot spot | earthquake | Pangea | convection current | volcano |
| crust | Mariana Trench | dormant volcano | oceanic crust | mid-ocean ridge |
| extinct volcano | epicenter | subduction | tsunami | seismographs |
| mantle | Alfred Wegener | Lithosphere | seismographs | trench |