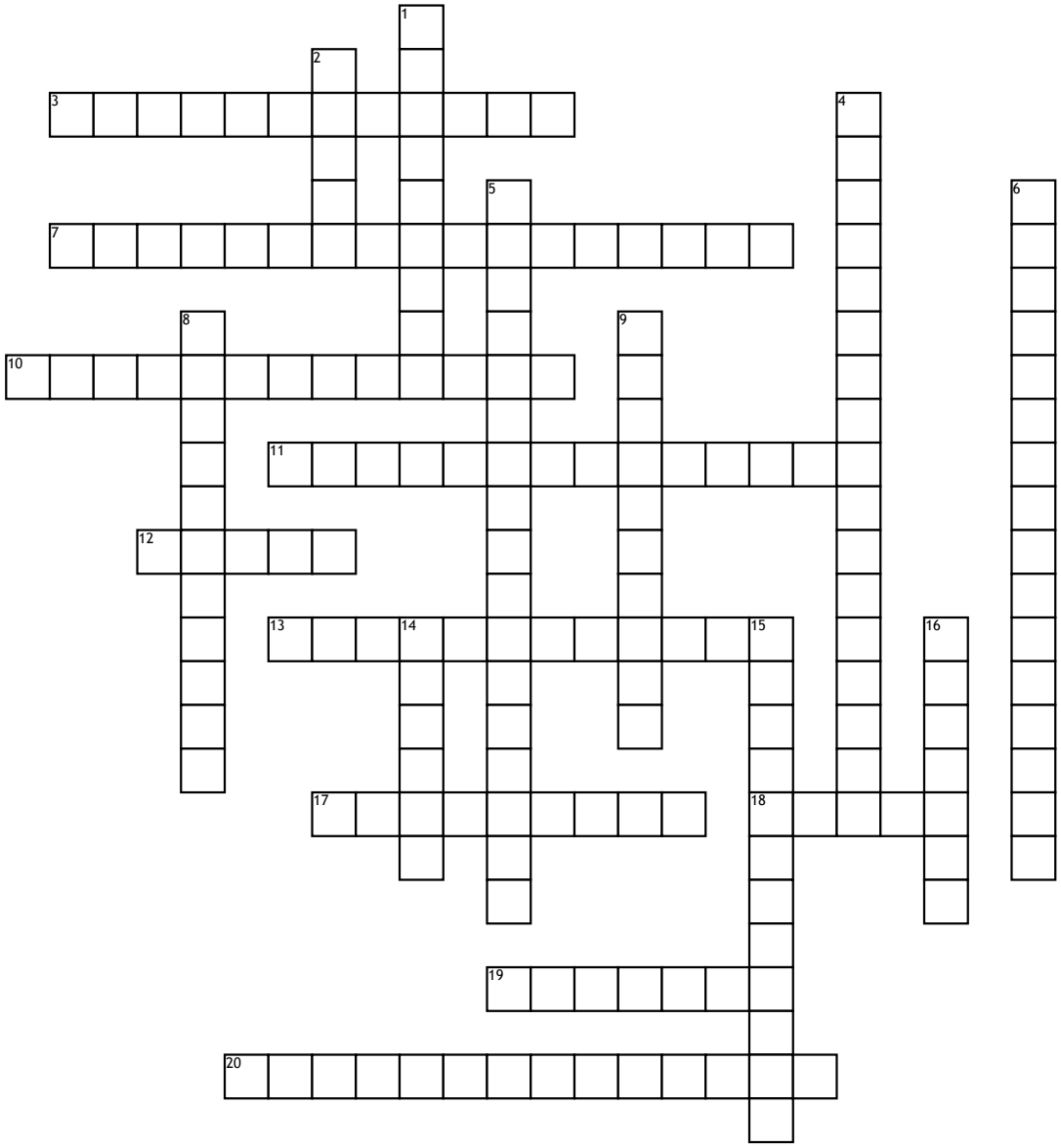
Name: _____ Date: _____

plate teconics



Across

3. scientist who studies earhquakes and seismic waves

7. a reegion where the rigid plates are moving apart , typified by the mid ocean ridge

10. the person who created the plate tectonic theory

11. theory that earths crust and upper mantle are broken into sections that move around on a plastic like layer of the mantle

12. in an earthquake, the point beneath earths surface where energy release occurs

13. waves of energy that reach earths surface during an earthquake, travel outward from the epicenter, and move rock particles up andn down, and side to side

17. point of earths surface directly above an earthquakes focus

18. a body of molten rock found beneath the earths crust

19. single large landmass made up of all the continents connected together that broke apart a long time ago

20. waves that travel outward from an earthquakes focus and move through earth by causing particles in rocks to vibrate at right angles to the direction of the wave

Down

1. measure of the energy released by an earthquake

2. surface alonf where rocks break and move

4. theory that magma from below earths crust is forced upward toward the suface of the mid-ocean ridge, flows from the cracks as the seafloor spreads apar and becomes solid as it cools, forming new seafloor

5. cycle of heating , rising , cooling, and sinking that is thought to be the force behind plate tectonics

6. hypothesis proposed by alfred wegener that the states that continents have moved slowly to their current locations on earth

8. device used by seismologist to record primary, secondary surface waves from an earthquake

9. vibrations caused by breaking rocks along faults

14. remains or traces of a once living organism reserved by rock

15. energy waves that are produced at and travel outward from the earthquakes focus

16. powerful seismic sea wave that can travel thousands of kilometers in all directions and that begins over an earthquake focus