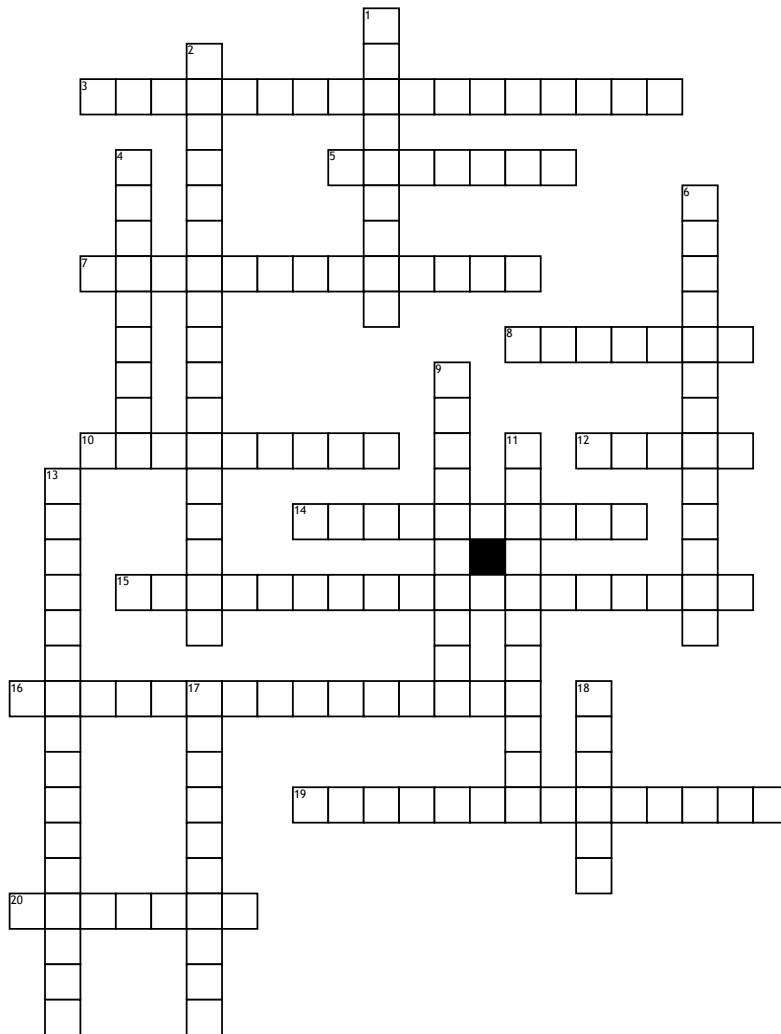# cross word by: Landon Johnson

Across

3. a plate boundary where two plates move away from each other

5. the process by which water,ice,wind,or gravity moves weathered rock or soil.

7. an undersea mountain chain where new ocean floor is produced

8. the name of the singe landmass that broke apart 200 million years ago and gave rise to today's continents

10. a dense sphere of solid iron and nickel at the center of earth

12. the layer of rock that forms earth's outer surface

14. the process by which oceanic crust sink beneath a deep-oceanic trench and back into the mantle at a convergent plate boundary .

15. a plate boundary where two plates move toward each other

16. a deep valley along the ocean floor beneath which oceanic crust slowly sinks toward the mantle

19. the theory that pieces of earth's lithosphere are in constant motion,driven by convection currents in the mantle.

20. a force that moves rocks and other materials downhill

Down

1. a layer of molten iron and nickel that surrounds the inner core of earth.

2. the process by which molten materials add new oceanic crust to the ocean floor.

4. the direct transfer of energy through space by electromagnetic waves

6. the soft layer of the mantle on which the lithosphere floats

9. the direct transfer of thermal energy from one substance to another substance that it is touching

11. a rigid layer made up of the uppermost part of the mantle and the crust

13. the hypothesis that the continents or large island

17. the transfer of thermal energy by the movement of a fluid

18. the layer of hot,solid material between earth's crust and core

Word Bank

radiation	mid-ocean ridge	convection	gravity
lithosphere	divergent boundary	erosion	pangaea
mantle	convergent boundary	asthenosphere	subduction
continental drift	inner core	plate tectonics	outer core
seafloor spreading	crust	deep-ocean trench	conduction