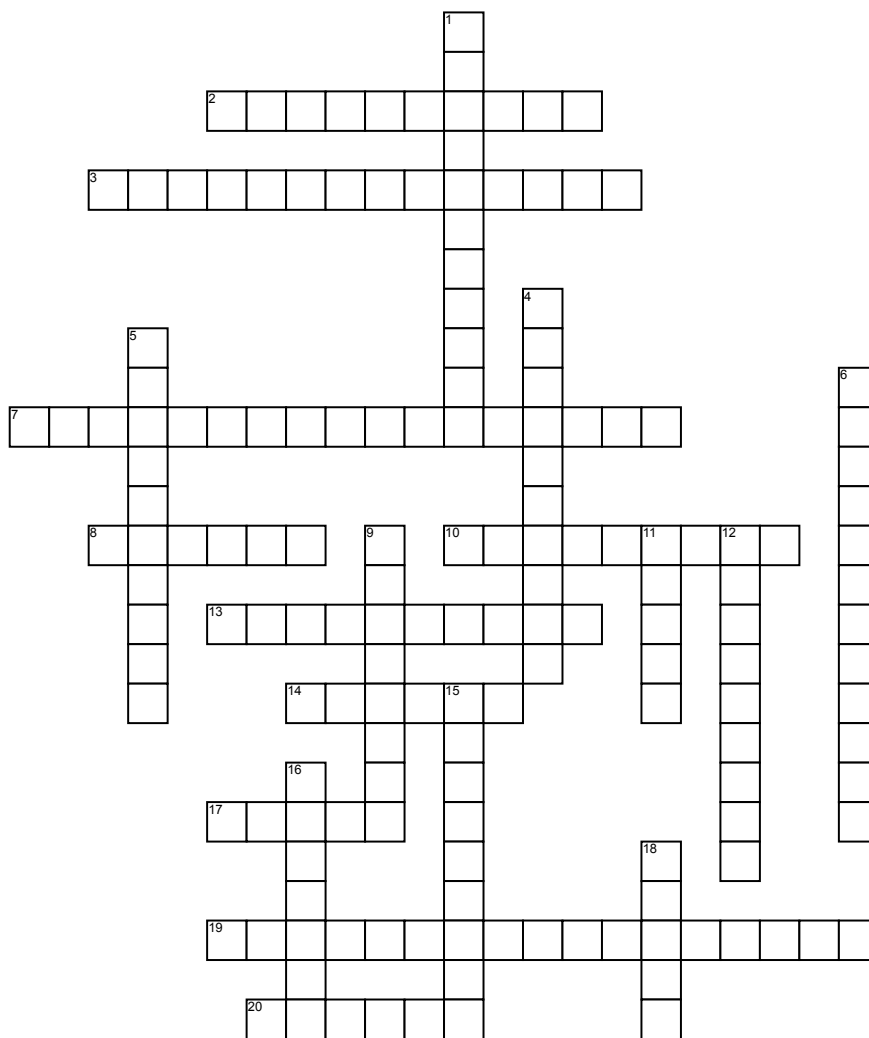


Name: _____ Date: _____ Period: _____

project



Across

2. the direct transfer of thermal energy from one substance to another that is touching it
 3. the theory that pieces of earth's lithosphere are in constant motion, driven by convection currents in the mantle
 7. the process by which molten material adds new oceanic crust to the sea floor
 8. a dark dense igneous rock with a fine texture found in oceanic crust
 10. a layer of molten iron and nickel that surrounds the inner core
 13. the transfer of thermal energy by the movement of a fluid

14. a trace of an ancient organism that has been preserved in rock
 17. a section of the lithosphere that slowly moves over the asthenosphere, carrying pieces of continental and oceanic crust
 19. a plate boundary where two plates move past each other in opposite directions
 20. the layer of hot, solid material between Earth's crust and core

Down

1. a rigid layer made up of the uppermost part of the mantle and the crust
 4. the process by which oceanic crust sinks beneath a deep ocean trench and back into the mantle at a convergent plate boundary

5. a deep valley that forms where two plates move apart
 6. vibrations that travel through earth carrying the energy released during an earthquake
 9. the force exerted on an area
 11. the layer of rock that forms earth's outer surface
 12. the direct transfer of energy through space by electromagnetic waves
 15. a dense sphere of solid iron and nickel at the center of earth
 16. what was the super continent called that made up all of the continents of earth?
 18. a break or crack in earth's lithosphere along which the rocks move

Word Bank

convection
 plate tectonics
 rift valley
 radiation
 fault

basalt
 subduction
 inner core
 plate
 fossil

crust
 mantle
 pressure
 lithosphere
 outer core

seafloor spreading
 Pangaea
 seismic waves
 transform boundary
 conduction