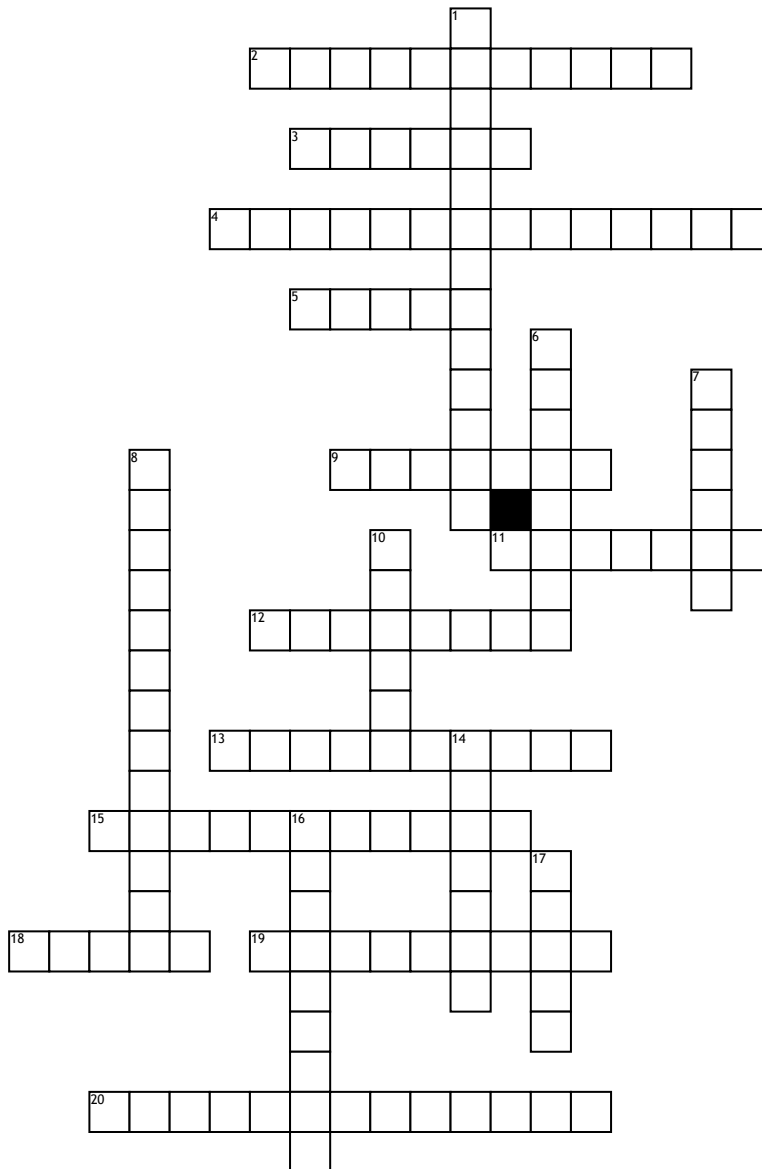


Name: _____ Date: _____ Period: _____

Plate tectonics



Across

2. the single, large ocean that covered earths surface during the time the supercontinent Pangaea existed
 3. paleontologists noticed that these were the same on different continent's even though the continent's were separated by oceans
 4. the study of the alignment of magnetic minerals in rock, specifically as it relates to the reversal of earths magnetic poles
 5. the hypothesis that a single large landmass broke up into smaller landmasses to form the continent's which then drifted to their present location CONTINENTAL
 9. the process by which earths crust breaks apart, can occur within continental crust or organic crust
 11. the supercontinent that formed 300 million years ago and that began to break up 200 million years ago

12. the boundary between tectonic plates that are colliding CONVERGENT
 13. the primary force that causes the seafloor to spread and continent's to drift THERMAL
 15. the solid outer layer of earth that consists of the crust and the rigid upper part of the mantle
 18. places where the sea floor is forced under continental plates SUBDUCTION
 19. the theory that explains large pieces of the lithosphere called plates move and change shape PLATE
 20. the solid plastic layer of the mantle beneath the lithosphere

Down

1. source of heat in the mantle
 6. the boundary between two tectonic plates that are moving away from each other DIVERGENT

7. scientist who first proposed that thermal convection in the mantle causes continental drift
 8. a long, undersea chain that has a steep, narrow valley at its center and that creates new organic lithosphere as tectonic plates move apart
 10. section of the Earth below the crust
 14. a piece of lithosphere that has a unique geologic history and that may be part of a larger piece of lithosphere such as a continent
 16. the process by which new organic lithosphere (sea floor) forms as magma rises to Earths surface and solidifies SEA FLOOR
 17. the process by which supercontinents form and break apart over millions of years SUPERCONTINENT