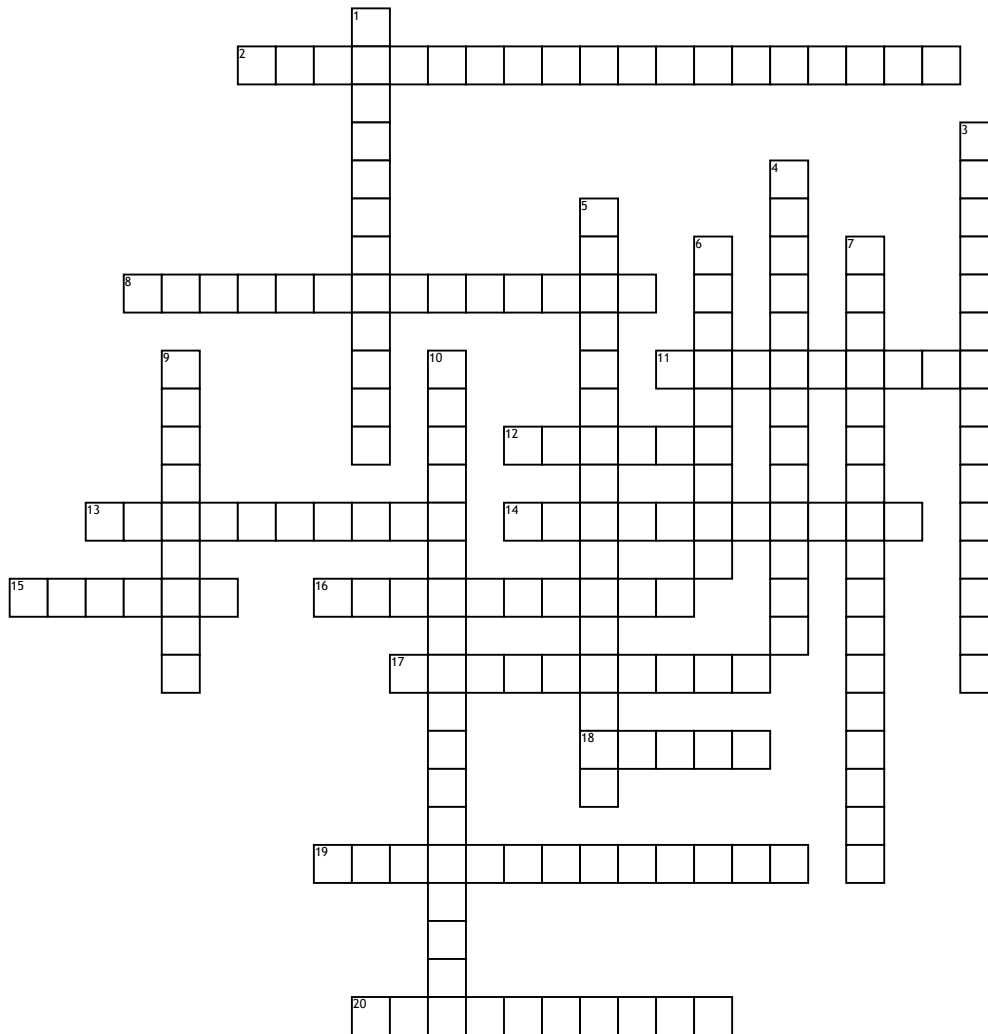


# Plate Tectonics



**Across**

- 2. Formed when tension forces cause large blocks of crust to break and tilt or slide down the broken surfaces of crust
- 8. Is formed at a convergent boundary when one plate is driven down into mantle
- 11. Is where two plates slide past each other
- 12. Formed at a subduction zone where an oceanic crust is pushed below a continental crust
- 13. Is the movement of the ground that occurs when plates collide or slide past each other
- 14. Is the rigid layer of earth, made up of the crust and a part of the upper mantle

- 15. Is the large, ancient landmass that was composed of all the continents joined together
  - 16. forms where two plates are moving apart
  - 17. Is where two plates move together
  - 18. Is a fracture that occurs when plates move apart
  - 19. Scientist proposed the theory of continental drift
  - 20. Is freshwater, reptile whose fossils were found on continents separated by oceans
- Down**
- 1. Is a fossilized plant that grew in temperated climates

- 3. Formed when compression forces cause the folding of the crust
- 4. Is the plastic like-layer on which the lithosphere plates float
- 5. Is the theory that the continents were once connected in a single land mass that broke apart, and now moved in current position
- 6. Scientist responsible for theory of seafloor spreading
- 7. Is when new sea floor is formed when magma is forced upward at mid-ocean ridge
- 9. Type of boundary between two plates moving away from each other
- 10. Current in earth's mantle that transfers heat in earth's interior and is the driving force for plate tectonics

**Word Bank**

- |                  |                       |                     |                    |
|------------------|-----------------------|---------------------|--------------------|
| Trench           | Asthenosphere         | Rift valley         | Lithosphere        |
| Alfred Wegener   | Pangea                | Convergent          | Seafloor spreading |
| Divergent        | Subduction zone       | Mesosaurus          | Transform          |
| Glossopeteris    | Fault-block mountains | Fault               | Continental drift  |
| Folded mountains | Earthquake            | Convection currents | Harry Hess         |