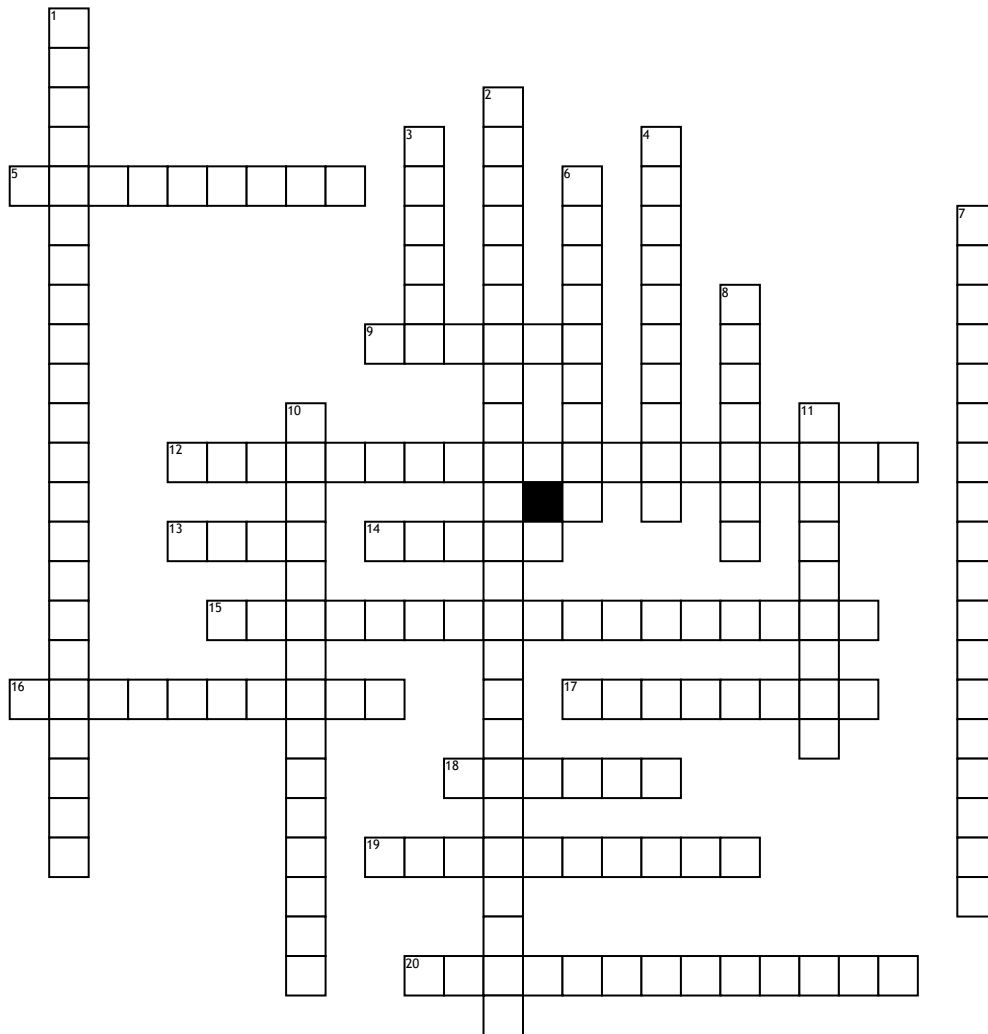


# Plate Tectonics



**Across**

- 5. when two plates slide past each other
- 9. someones thought on something usually proved by evidence
- 12. mid ocean ridge where new oceanic crust is formed
- 13. under the earths plates creates new land.
- 14. there are about a dozen of these.
- 15. divergent tectonic plate or constructive plate boundary located along the floor of the Atlantic Ocean
- 16. when two plates come toward each other

- 17. feature of some volcanoes, especially shield volcanoes, in which a linear series of fissures in the volcanic edifice allows lava to be erupted from the volcano's flank instead of from its summit.
- 18. supercontinent
- 19. when a plate goes over or under another because of density
- 20. German meteorologist and geophysicist who formulated the first complete statement of the continental drift hypothesis.

- 2. theory that says earths plates are slowly in motion.
- 3. a long, narrow ditch.
- 4. asin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur.
- 6. scientist that came up with sea floor spreading theory.
- 7. when a current forms within a fluid that results in convection
- 8. island used by alfred wegenger for research.
- 10. continental transform fault that extends roughly 1,200 kilometers through California.
- 11. when plates seperate

**Down**

- 1. the large-scale motion of Earth's lithosphere.

**Word Bank**

- |                             |                           |                 |                       |
|-----------------------------|---------------------------|-----------------|-----------------------|
| theory of continental drift | subduction                | Alfred wegenger | divergent             |
| theory                      | convection currents       | rift zone       | trench                |
| mid atlantic ridge          | theory of plate tectonics | plate           | transform             |
| iceland                     | lava                      | ring of fire    | harry hess            |
| san andreas fault           | pangea                    | convergent      | ocean floor spreading |