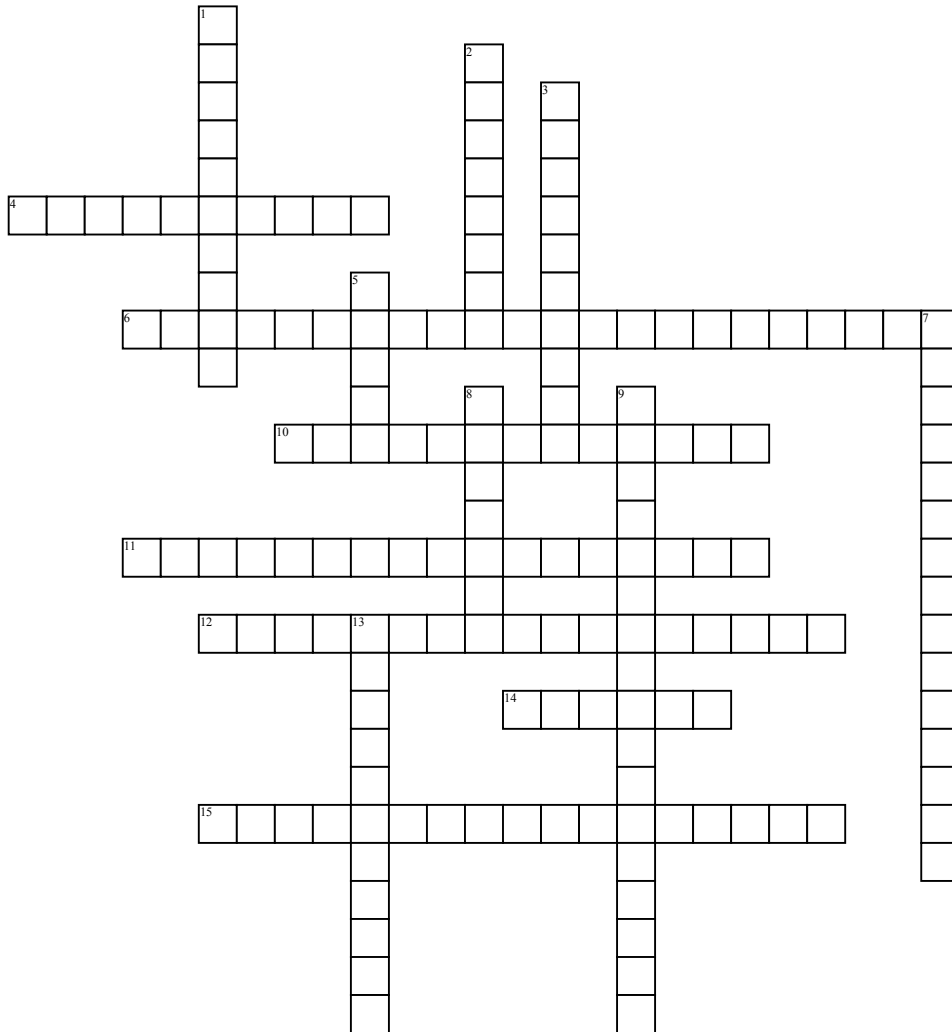


# Plate tectonics



**Across**

- 4. The dinosaur fossil that proves the continents were once joined together page 249
- 6. Says earth's plates move slowly relative to each other, driven by convection currents in the mantle. page 261
- 10. A long chain of mountains extending the length of the ocean. page 255
- 11. The motion of mantle due to the changes in temperature. Page 763
- 12. Process by which new ocean lithosphere is made. Page 783
- 14. Layer of earth below the crust. Page 773

- 15. A boundary where two plates sliding past each other. Page 788

**Down**

- 1. The deep central valley found in a mid ocean ridge. Page 255
- 2. When ocean crust sinks into the mantle caused by gravity. It pulls the trailing lithosphere with it. Causes plate movement Page 784
- 3. When a plate (Ocean crust) sinks back into the mantle after colliding with a continental plate. Page 786
- 5. Problem with the Continental Drift Theory is that it could not explain how the plates \_\_\_\_\_. page 252

- 7. Evidence of plate tectonics is here in California page 219

- 8. Proposed the Theory of Continental Drift. page 248
- 9. When plates at a boundary move away from each other page 765
- 13. The outer layer of the earth. What you walk on. Page 773

**Word Bank**

- |             |                           |                    |                    |
|-------------|---------------------------|--------------------|--------------------|
| mantle      | seafloor spreading        | subduction         | mid ocean ridge    |
| Wegener     | Theory of plate tectonics | SanAndreasFault    | slab pull          |
| moved       | Transform boundary        | convection current | Divergent boundary |
| rift valley | Mesosaurus                | Lithosphere        |                    |