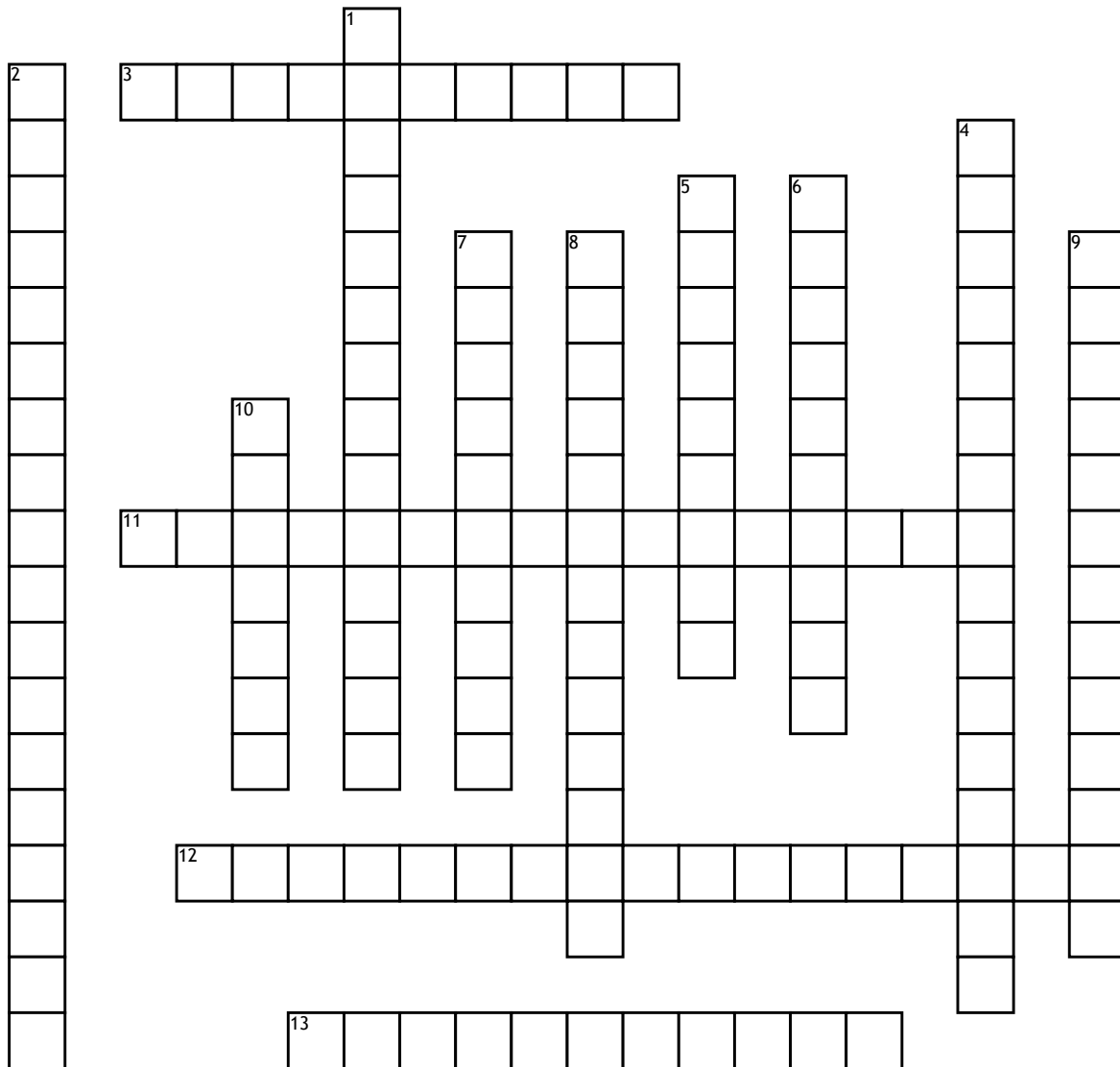


Plate Tectonics By: Michael Bond



Across

- 3. where two tectonic plates move toward each other
- 11. convection currents in the mantle that occur because hot rock in the lower part of the mantle is less dense and rises
- 12. the process by which new oceanic crust forms when magma rises up and solidifies at the mid-ocean ridges
- 13. the ridge, brittle layer made up of the crust and the uppermost part of the mantle

Down

- 1. large pieces of the lithosphere that slowly move on top of the asthenosphere
- 2. movement within hot fluids, when the heat source is on the bottom
- 4. the theory that all Earth's continents were once joined together into a single large landmass, and then moved apart
- 5. where two tectonic plates move away from each other

- 6. transfer of heat by movement of a fluid
- 7. the process by which one tectonic plate sinks below another
- 8. the soft, flexible upper layer of the mantle, on which the tectonic plates move
- 9. a system of connected underwater mountain ranges that run throughout the world's ocean
- 10. "all land"