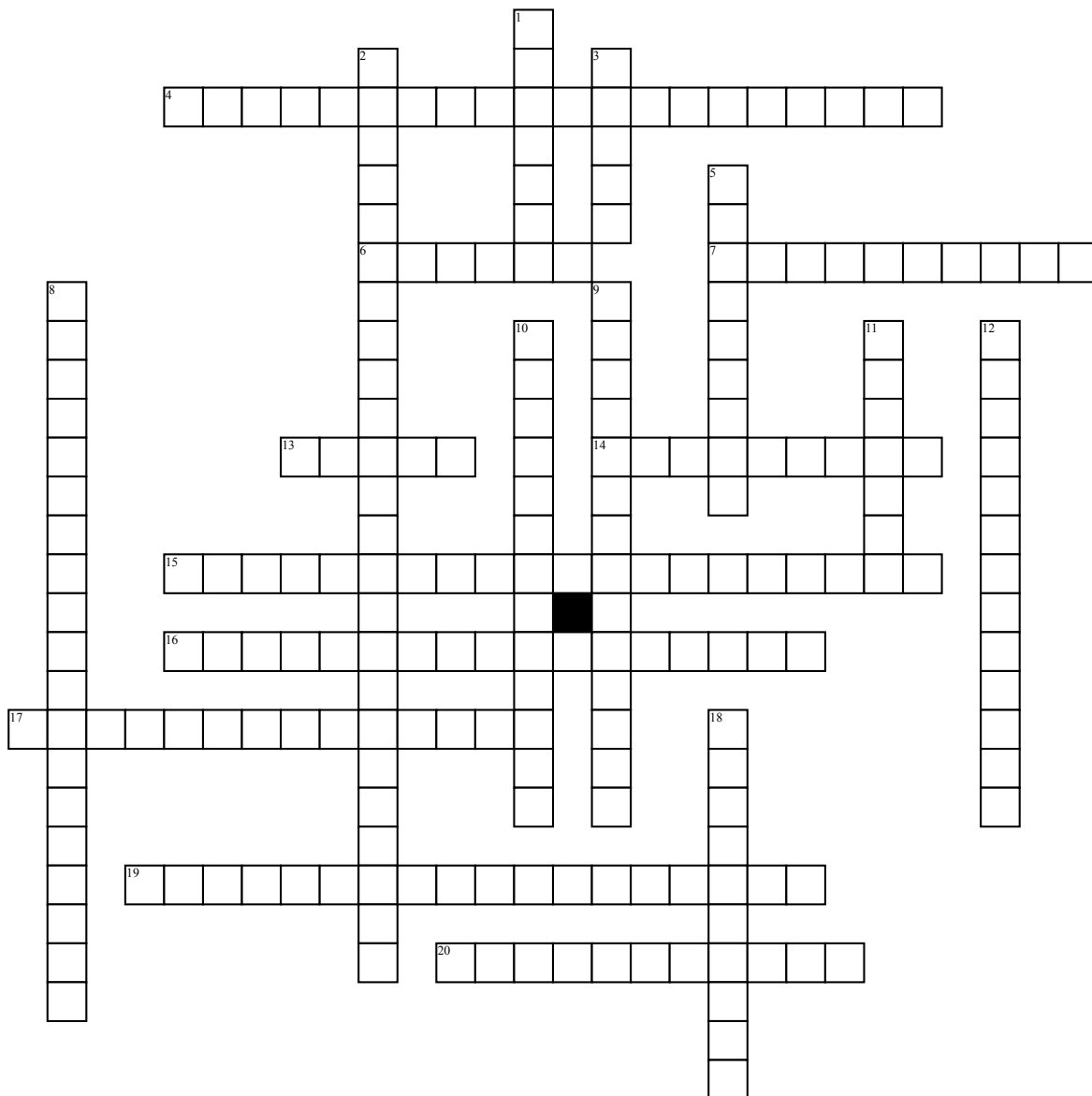


Plate Tectonics



Across

- 4. Where two plates move together
- 6. Fractures in Earth where movement has occurred
- 7. Deep faults found along axes of divergent boundaries
- 13. One rigid section of lithosphere that moves as a unit over the asthenosphere (lowered mantle.)
- 14. The location on the surface directly above the focus
- 15. Upper mantle and overlying crust, behaves as a rigid layer (lithosphere.)

- 16. Produces new oceanic lithosphere
- 17. When one oceanic plate is forced down into the mantle beneath 2nd plate
- 19. Form as volcanoes emerge from the sea
- 20. Upper mantle

Down

- 1. Concentration of heat in mantle - can produce magma, which rises to Earth's surface
- 2. Margins where two plates slide past each other

- 3. The point within Earth where the earthquake starts
- 5. A small earthquake that often precedes a major earthquake
- 8. Place where two plates move apart
- 9. The motion of matter resulting from changes in temperature
- 10. Lower mantle
- 11. The scientist that came up with the hypothesis about the plate tectonics theory
- 12. Continuous elevated zones on all major ocean basins
- 18. A small earthquake that follows the main earthquake