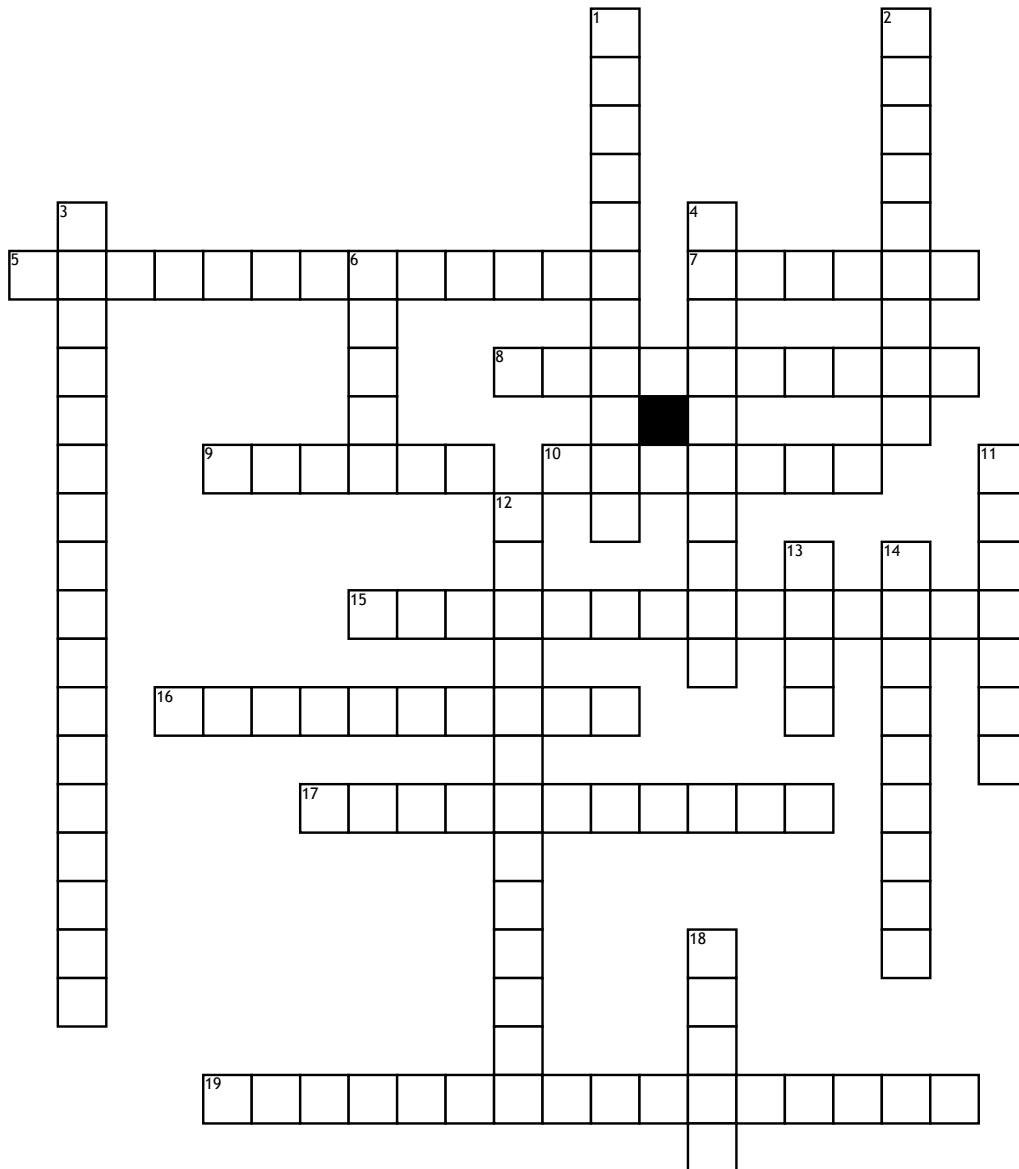


# Chapter 4



## Across

5. a block of lithosphere that consists of the crust and the rigid, outermost part of the mantle
7. the rising of regions of the Earth's crust to higher elevations
8. the strong, lower part of the mantle between the asthenosphere and the outer core
9. the layer of rock between the Earth's crust and core
10. the bending of rock layers due to stress
15. the theory that explains how large pieces of the Earth's outermost layer, called the tectonic plates, move and change shape

16. the boundary formed by the collision of two lithospheric plates

17. the solid, outer layer of the Earth that consists of the crust and the rigid upper part of the mantle

19. the hypothesis that states that the continents once formed a single landmass, broke up, and drifted to their present locations

## Down

1. stress that occurs when forces act to squeeze an object

2. the boundary between tectonic plates that are sliding past each other horizontally

3. the process by which new oceanic lithosphere forms as magma rises toward the surface and solidifies

4. the sinking of regions of the Earth's crust to lower elevations

6. the thin and solid outermost layer of the Earth above the mantle

11. stress that occurs when forces act to stretch an object

12. the soft layer of the mantle on which the tectonic plates move

13. the central part of the Earth below the mantle

14. the boundary between two tectonic plates that are moving away from each other

18. a break in a body of rock along which one block slides relative to another