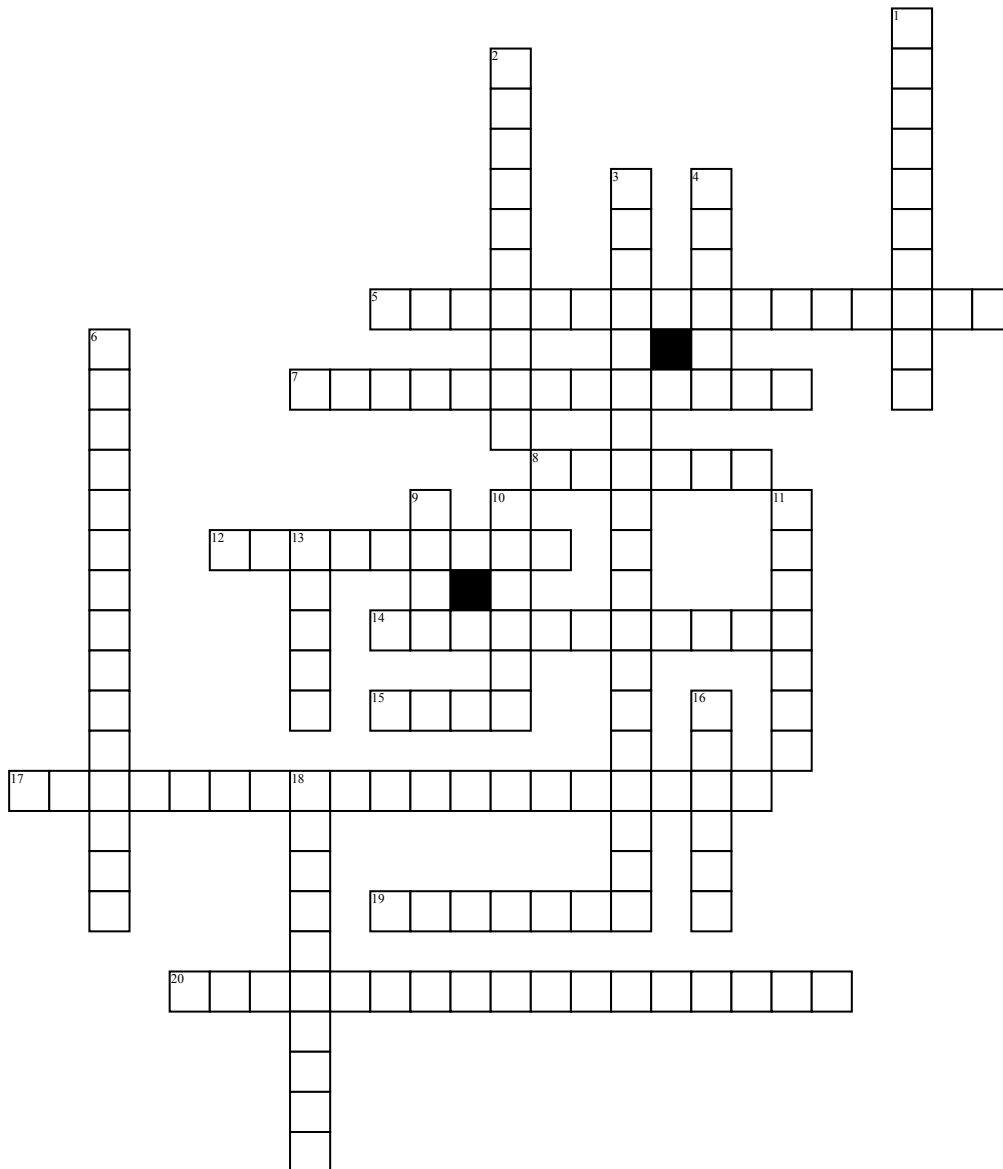


# Plate Tectonics



## Across

5. the gradual movement of the continents across the earth's surface through geological time.

7. Earth scientists

8. The continents fit almost like a puzzle

12. a mountain range in Asia separating the plains of the Indian subcontinent from the Tibetan Plateau.

14. a sudden and violent shaking of the ground, sometimes causing great destruction, as a result of movements within the earth's crust or volcanic action.

15. the innermost part of the earth

17. one where the two plates slide against each other in a sideways motion

19. the remains or impression of a prehistoric organism preserved in petrified form or as a mold or cast in rock

20. Helps explain continental drift in this theory of plate tectonics

## Down

1. Heat energy is transferred from hot places to cooler places

2. the sideways and downward movement of the edge of a plate of the earth's crust into the mantle beneath another plate.

3. When two objects move away from each other.

4. Earth's outer layer is made up of large, moving pieces called.....

6. a fault that moves laterally, or side to side.

9. hot molten or semifluid rock erupted from a volcano or fissure, or solid rock resulting from cooling of this

10. What makes up the Lithosphere (crust and the.....)

11. In many locations the hot molten magma from deep within the Earth rises up through the crust to reach the surface.

13. molten rock under the Earth's crust

16. form when one tectonic plate slides beneath another one plate at a subduction

18. a major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur.