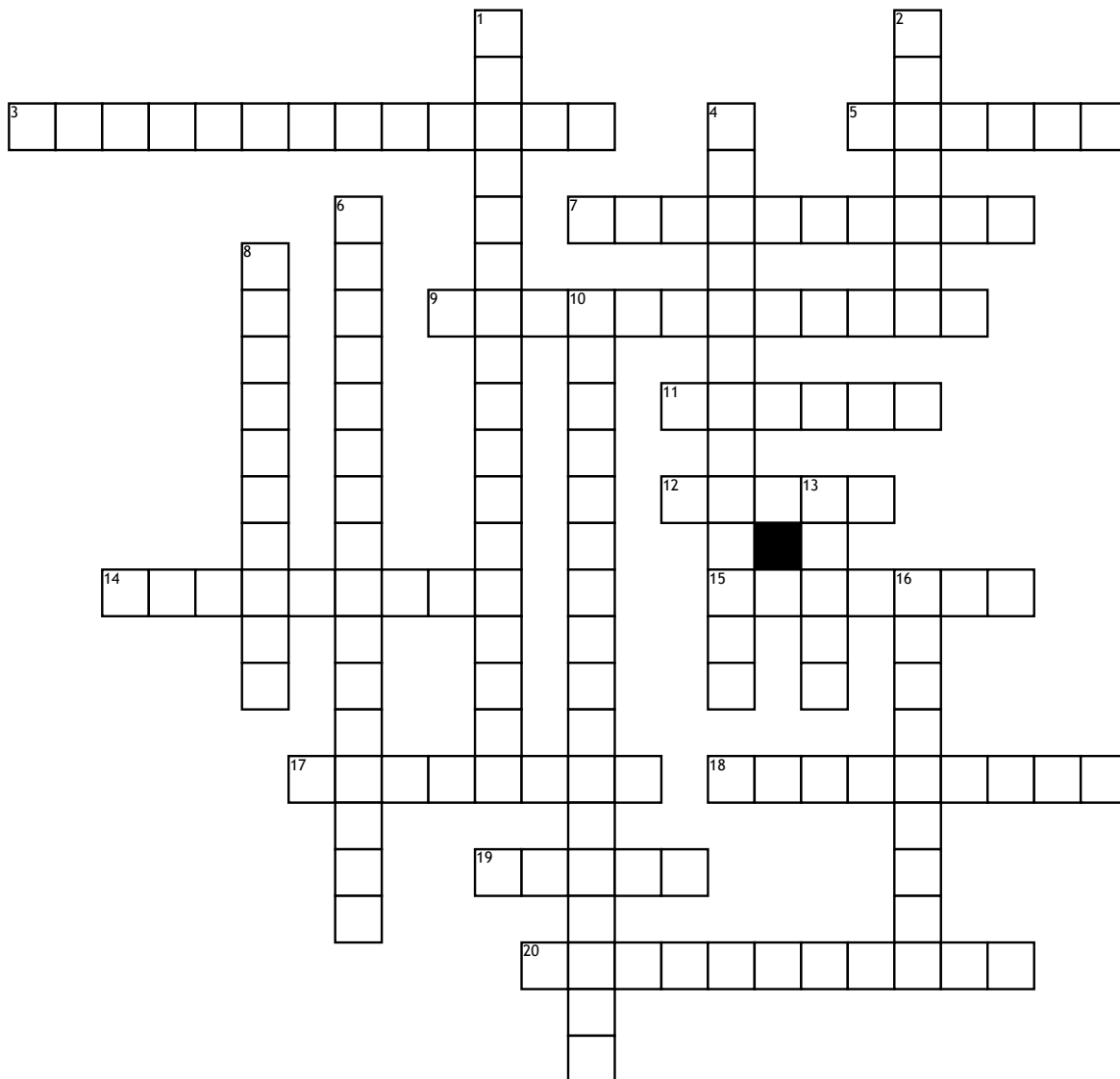


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# Plate Tectonics Crossword Puzzle Latyra S.



## Across

3. The soft layer of the mantle on which the lithosphere floats  
 5. A dark, dense, igneous rock with a fine texture, found in oceanic crust  
 7. The direct transfer of thermal energy from one substance to another substance that it is touching  
 9. Vibrations that travel through Earth carrying the energy released during an earthquake  
 11. The layer of hot, solid material between Earth's crust and core  
 12. The layer of rock that forms Earth's outer surface  
 14. The direct transfer of energy through space by electromagnetic waves  
 15. The amount of mass of a substance in a given volume; mass per unit volume

17. The force exerted on a surface divided by the total area over which the force is exerted  
 18. A layer molten iron and nickel that surrounds the inner core of Earth  
 19. A section of the lithosphere that slowly moves over the asthenosphere, carrying pieces of continental and oceanic crust  
 20. A rigid layer made up of the uppermost part of the mantle and the crust

## Down

1. A deep valley along the ocean floor beneath which oceanic crust slowly sinks toward the mantle  
 2. A usually light-colored igneous rock that is found in continental crust  
 4. An undersea mountain chain where new ocean floor is produced

6. The hypothesis that the continents slowly move across Earth's surface  
 8. The transfer of thermal energy by the movement of a fluid  
 10. The process by which molten material adds new oceanic crust to the ocean floor  
 13. A device that determines the distance of an object under water by recording echoes of sound waves  
 16. A dense sphere of solid iron and nickel at the center of Earth