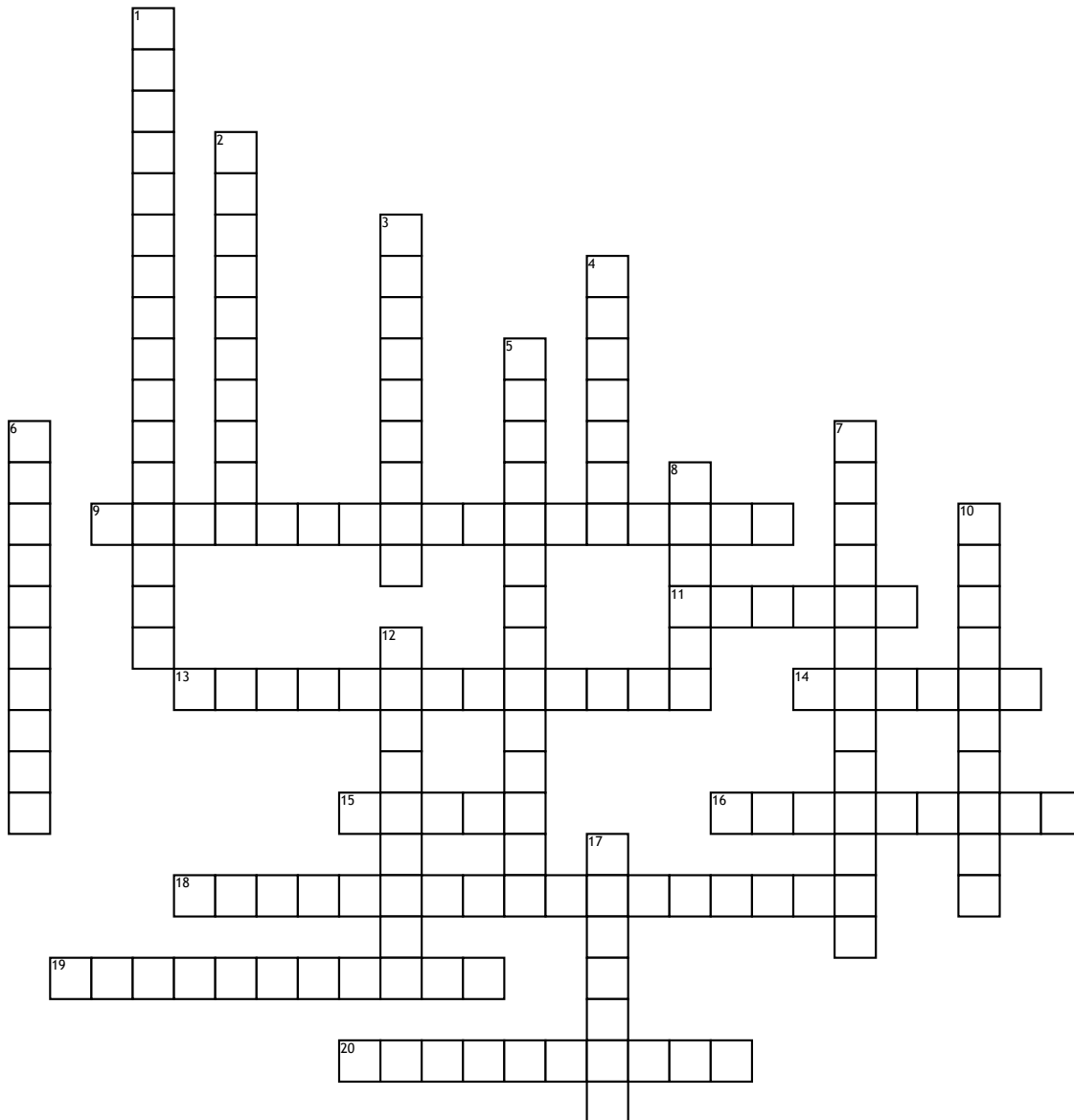


# Jaida Harrell



**Across**

- 9. a plate boundary where two plates move past each other in opposite directions
- 11. a deep, steep-sided canyon in the ocean floor
- 13. the soft layer of the mantle
- 14. the name of the single landmass that broke apart 200 million years ago and gave rise to today's continents
- 15. the layer of rock that forms Earth's outer surface
- 16. the direct transfer of energy through space by electromagnetic waves

- 18. the process by which molten material adds new oceanic crust to the ocean floor
- 19. a ridged layer of the mantle
- 20. process in which sediment is laid down in new locations

**Down**

- 1. the hypothesis that the continents slowly move across Earth's surface
- 2. the direct transfer of thermal energy from one substance to another
- 3. a layer of molten iron and nickel that surrounds the center of Earth
- 4. the process by which water, ice, wind, or gravity moves weathered rock or soil

- 5. the theory that pieces of Earth's lithosphere are in constant motion, driven by convection currents in the mantle
- 6. the process by which oceanic crust sinks beneath a deep ocean trench
- 7. an undersea mountain chain where new ocean floor is produced
- 8. the layer of hot, solid material between Earth's crust and core
- 10. the transfer of thermal energy by the movement of a fluid
- 12. a dense sphere of solid iron and nickel at the center of the earth
- 17. a force that moves rocks and other materials downhill