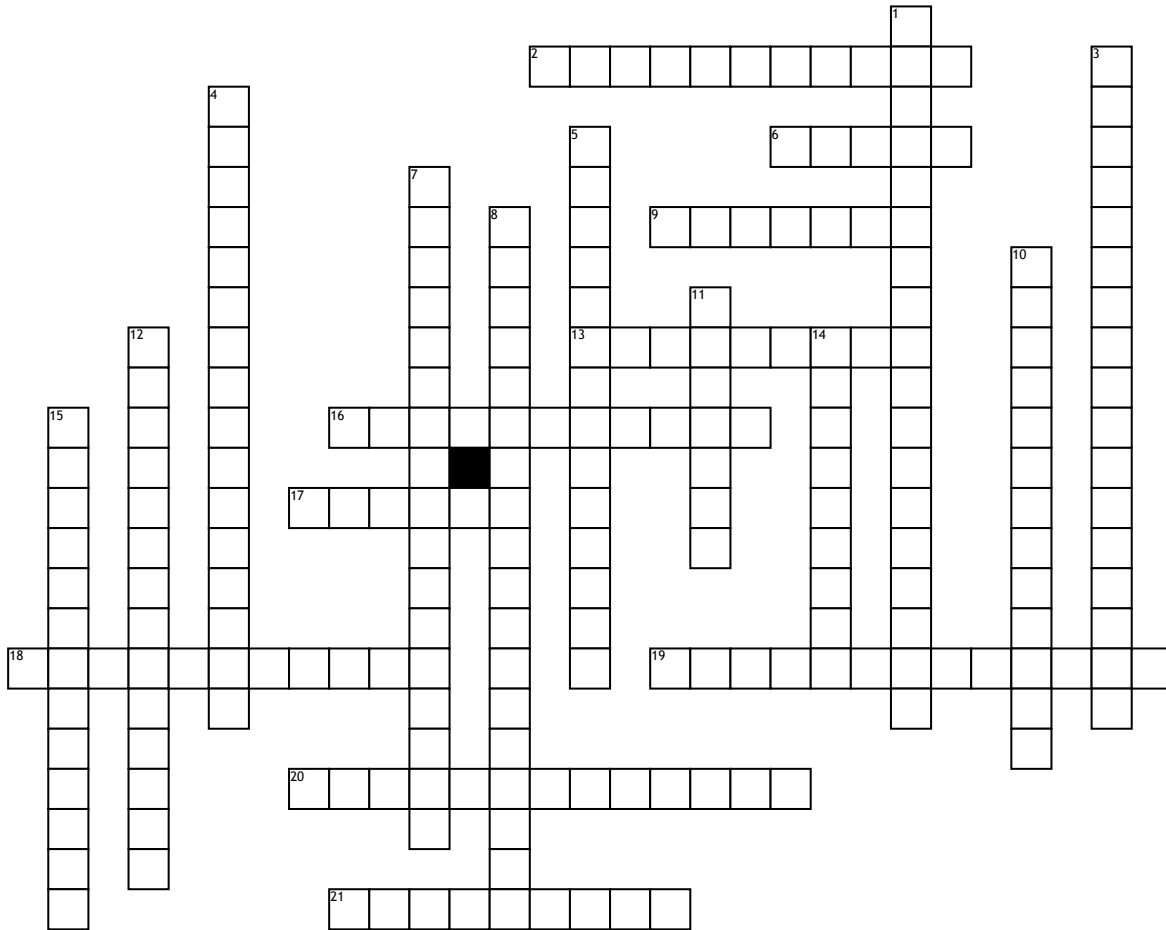


Name: _____

Date: _____

Tectonic plates crossword puzzle



Across

- 2. 4. includes crust and the topmost layer of the mantle
- 6. 1. a thin layer of cool rock that contains continental and oceanic crust
- 9. when all continents were once joined together in a supercontinent roughly 225 million years ago
- 13. a dense ball of solid nickel and iron
- 16. causes materials to slide or become distorted
- 17. 3. made of magma, very hot, semi-solid rock
- 18. a type of stress that squeezes or shortens materials
- 19. where the edges of two tectonic plates meet

20. 2. a young german scientist who proposed a hypothesis called continental drift

21. discovered sea floor spreading

Down

- 1. different kinds of stress can result in _____
- 3. a tectonic boundary where plates slide sideways past each other
- 4. a ship that was specifically created for scientific drilling of the sea floor
- 5. located at the center of a mid-ocean ridge from which magma flows and forms new oceanic crust
- 7. A tectonic boundary where two plates are moving away from each other
- 8. A tectonic boundary where two plates are moving toward each other

10. A long mountain range on the ocean floor

11. a type of stress that lengthens materials or pulls them apart

12. earth's lithosphere is broken into separate sections of rock called _____

14. a swirling layer of molten nickel and iron

15. the upper part of the mantle that is semi-solid and flows slowly