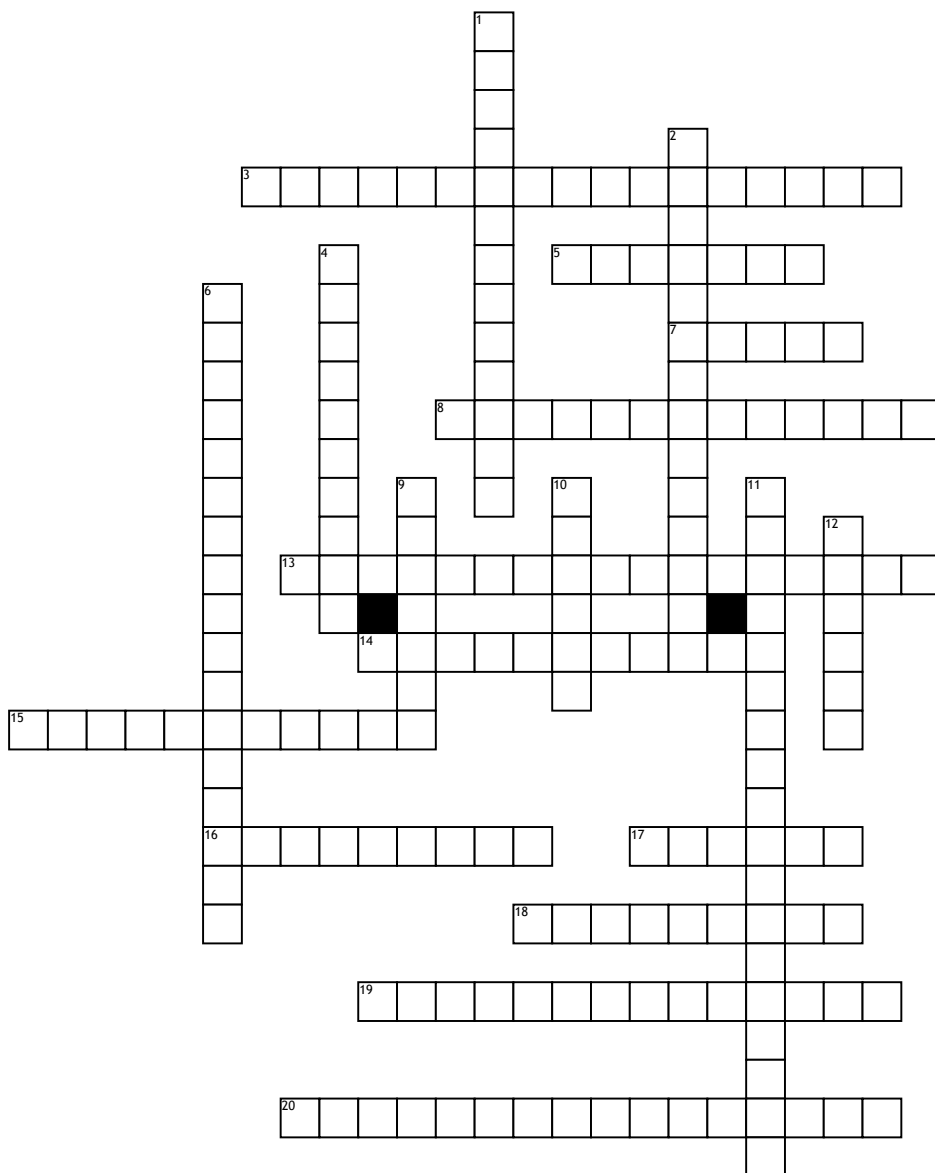


Name: _____ Date: _____ Period: _____

Tectonic Plates



Across

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

5. the bending of rock layers due to stress in the Earth's crust

7. the thin, outermost layer of the Earth

8. a piece of the lithosphere that moves around on top the asthenosphere

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

14. the outermost, rigid layer of the Earth that consists of the crust and the rigid upper part of the mantle

15. the type of stress that occurs when an object is squeezed

16. the solid, dense center of the Earth

17. the layer of Earth between the crust and the core

18. the liquid layer of the Earth's core that lies beneath the mantle and surrounds the inner core

19. the theory that the Earth's lithosphere is divided into tectonic plates that move around on top of the asthenosphere

20. the theory that continents can drift apart from one another and have in the past

Down

1. the soft layer of the mantle on which pieces of the lithosphere move

2. the region where an oceanic plate sinks down into the asthenosphere

4. the "middle sphere," the strong, lower part of the mantle between the asthenosphere and the outer core

6. the process by which new oceanic lithosphere is created at mid-ocean ridges as older materials are pulled away from the ridge

9. the type of stress that occurs when forces act to stretch an object

10. the amount of force per unit area that is put on a given material

11. the boundary between two colliding tectonic plates

12. the layer of Earth between the crust and the core