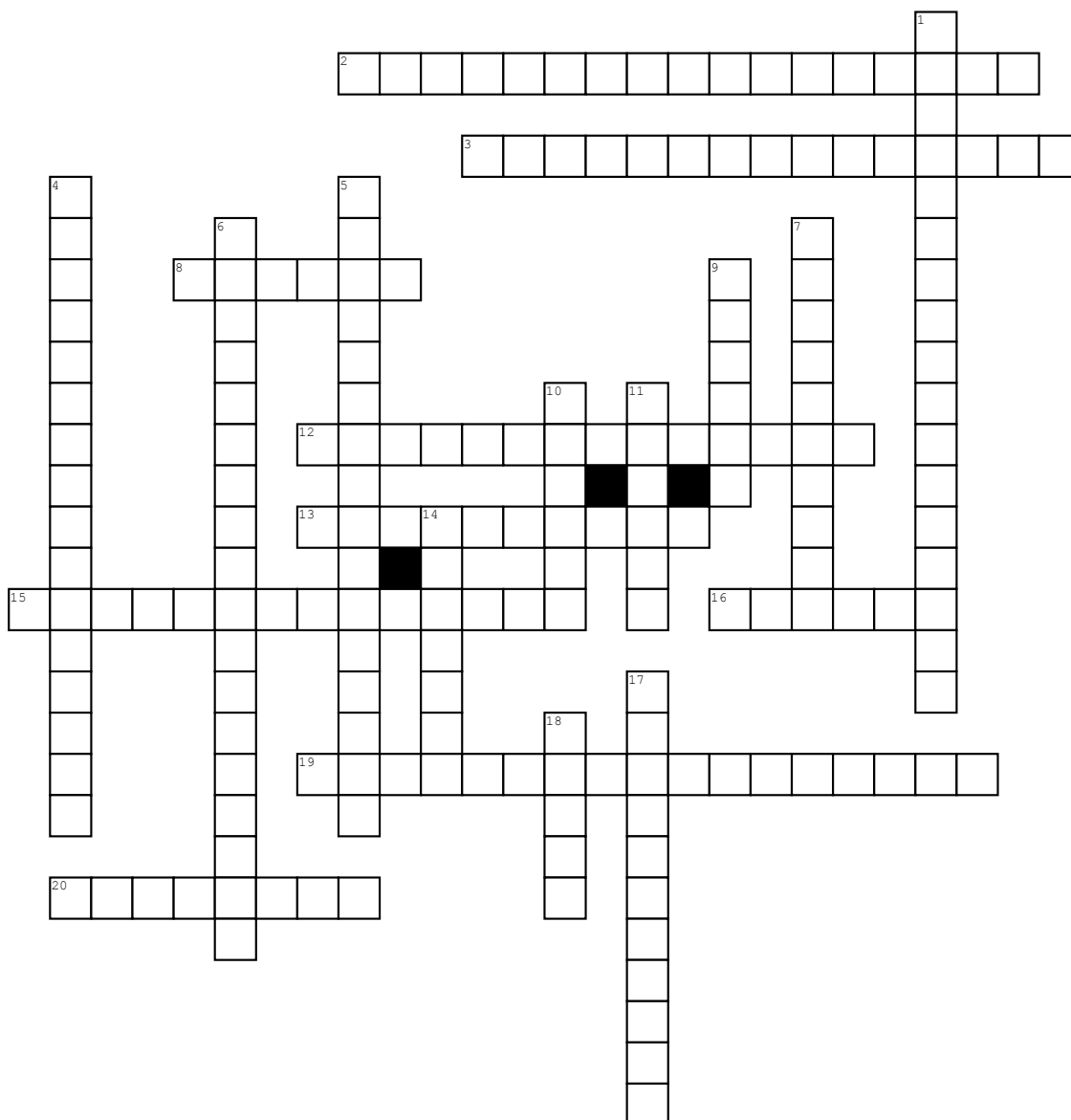


Name: _____ Date: _____ Period: _____

Review for chapter 1 plate tectonics



Across

2. When a process continually adds new material to the ocean floor

3. Where the ocean floor plunges into deep underwater canyons

8. Any trace of an ancient organism that has been preserved in rock

12. An undersea mountain chain where new ocean floor is produced, a divergent boundary

13. When a deep valley forms along the divergent boundary

15. States that pieces of earth's lithosphere are in a slow, constant motion, driven by convection currents in the mantle

16. When continents drift together to form the supercontinent

19. Is a place where two plates slip past each other, moving in opposite directions

20. Stress that pushes a mass of rock in two opposite directions

Down

1. The place where two plates move apart, or diverge

4. When continents slowly move over earth's surface

5. A well-tested concept that explains a wide range of observations

6. The place where two plates come together, or converge

7. The process by which ocean floor sinks beneath a deep-ocean trench and back into the mantle

9. Where the lithosphere is broken into separate sections

10. It breaks into the earth's crust where rocks have slipped past each other to form along these boundaries

11. A force that acts on rock to change its shape or volume

14. Pulls on the crust, stretching rock so that it becomes thinner in the middle

17. When a stress force squeezes rock until it folds or breaks

18. Is a device that bounces sound waves off underwater objects and then records the echoes of these sound waves