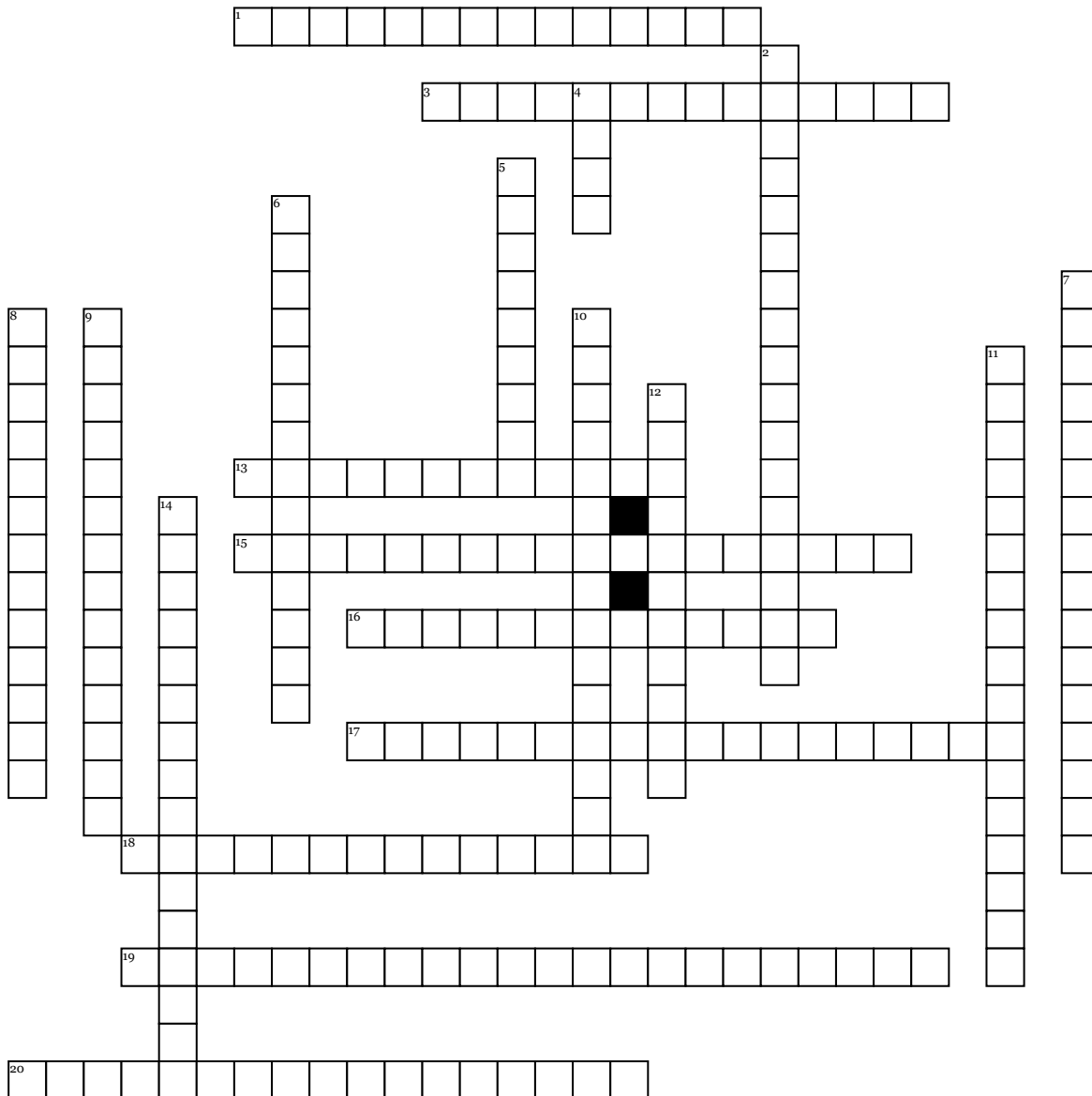


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# plate tectonic crossword



## Across

- 1. the two sub-layers of the Earth's crust that move, float, & sometimes fracture
- 3. a hypothetical protocontinent of the remote geologic past that rifted apart to form the continents of today
- 13. crust beneath the ocean
- 15. a boundary where two plates are moving towards each other
- 16. the solid, plastic layer of the mantle beneath the lithosphere
- 17. the process by which new oceanic lithosphere (sea floor) forms as magma rises to Earth's surface
- 18. the study of magnetic minerals in rock
- 19. two tectonic plates slide alongside each other

- 20. all rocks with a magnetic field that point south

## Down

- 2. a tectonic plate where two plates are moving away from each other
- 4. a crack at the center of a valley
- 5. a curved chain of volcanic islands located at a tectonic plate
- 6. the theory that explains why & how continents move & is the study of the formation of features in the Earth's crust
- 7. the hypothesis that states that the continents once formed a single landmass, broke up, & drifted to their present location
- 8. a long, undersea mountain chain that has a steep, narrow valley at its center

- 9. all rocks with magnetic fields that point north

- 10. the process by which collision of Earth's crustal plates results in one plate's being drawn down
- 11. an area that runs in the Pacific ocean
- 12. the solid, outer layer of Earth's crust
- 14. the crust that which the continents rest on