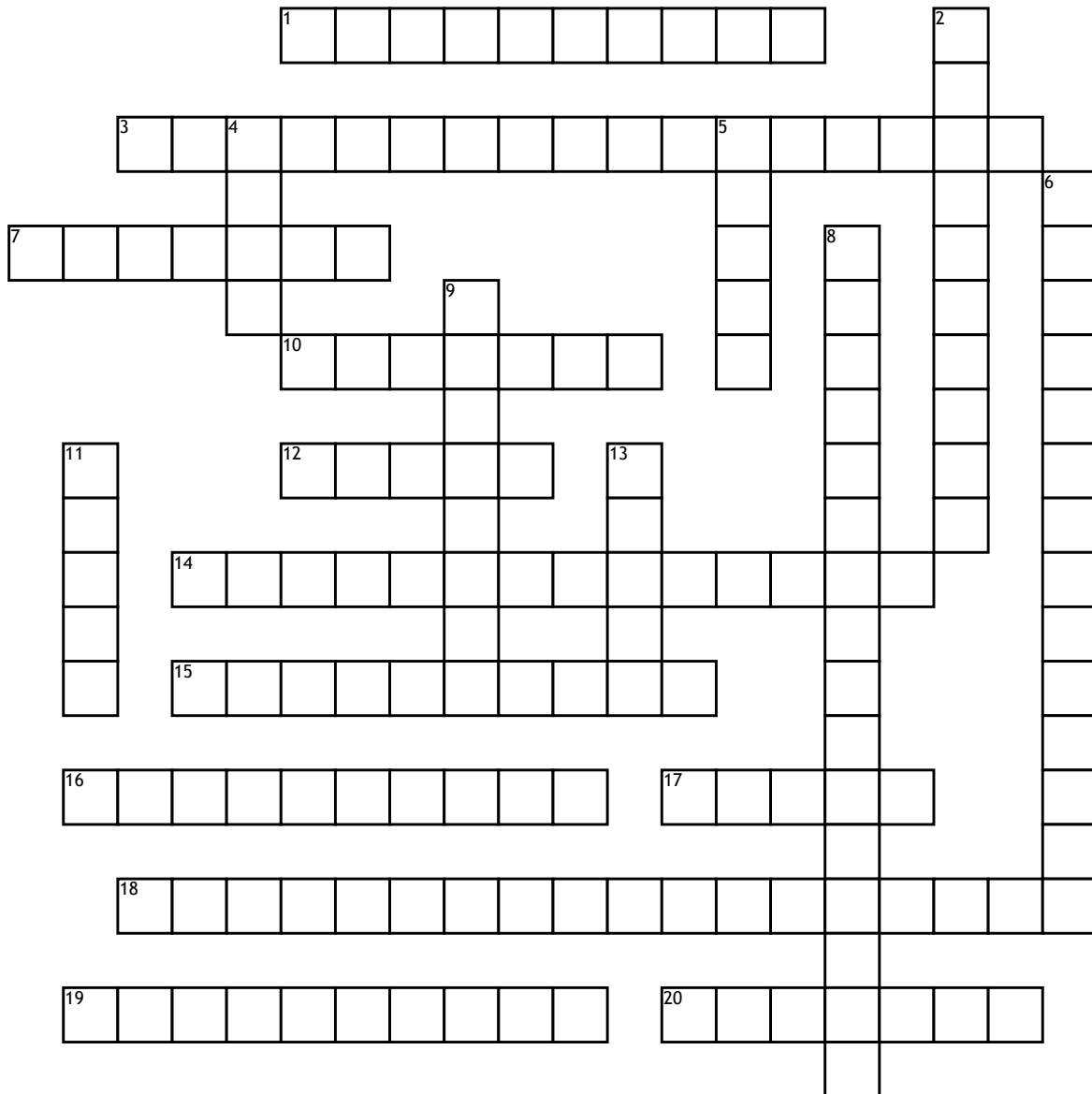


Name: _____

PLATE TECTONICS



Across

1. where does the earth's plates meet at?
3. process by which molten material adds new oceanic crust to the ocean floor
7. earth's plates move because they are the _____ of the large convection currents in earth's mantle
10. the name of the single landmass that began to break apart 200 million years ago
12. oceanic crust is more _____ than continental crust
14. most divergent boundaries occur along the _____

15. scientists use _____ to measure plate motion precisely
16. where pieces of earth's crust diverge on land, a deep valley called a _____ forms
17. a break in earth's crust along which rocks move
18. what causes the plates to move
19. what word describes how gravity pulls denser plate edges downward into the mantle
20. as plates move, they change earth's _____

Down

2. what type of boundary is the Andes Mountains

4. plates move _____ from each other at a divergent boundary
5. _____ of earth's plates meet at plate boundaries
6. theory of plate tectonics states that earth's plates are in slow, constant motion, driven by convection currents in the mantle, is called what?
8. the hypothesis that the continents slowly move across earth's surface
9. what do you compare earth's lithosphere (solid outer shell) to?
11. beneath the surface of a transform boundary the sides of the plates are _____ and jagged
13. plates can move up to how many ways