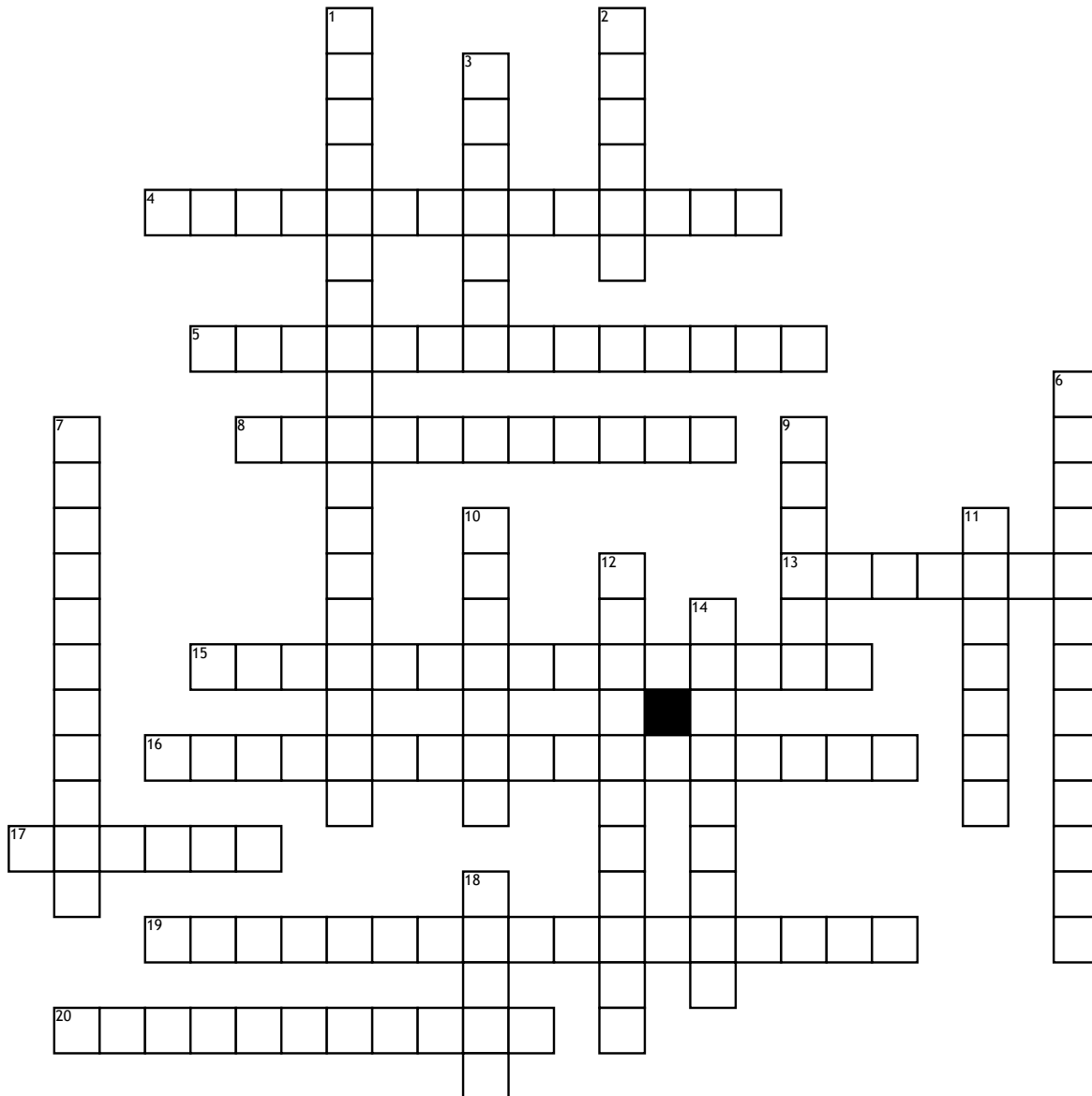


Tectonic plates



Across

4. The theory that explains large pieces of the lithosphere called plates move and change shape

5. what is it called when all the continents come together

8. The solid outer layer of earth that consists of the crust and the rigid upper part of the mantle

13. A piece of lithosphere that has a unique geologic history and that may be part of a larger piece of lithosphere such as a continent

15. Places where the sea floor is forced under continental plates

16. The boundary between two tectonic plates that are moving away from each other

17. When plates collide the plate that is _____ will subduct (go beneath the other).

19. when two plates grind past each other

20. The single, large ocean that covered earths surface during the time the supercontinent Pangaea existed

Down

1. The solid plastic layer of the mantle beneath the lithosphere

2. _____ can be created or grow wider where plates diverge or pull apart.

3. When oceanic crust melts it can result in the formation of a _____.

6. The solid plastic layer of the mantle beneath the lithosphere

7. At transform boundaries _____ can form.

9. Section of the Earth below the crust

10. The process by which earths crust breaks apart, can occur within continental crust or organic crust

11. The supercontinent that formed 300 million years ago and that began to break up 200 million years ago

12. formed from cooling lava

14. When two continental plates collide large _____ will usually form.

18. outer layer of the Earth, the thinnest layer