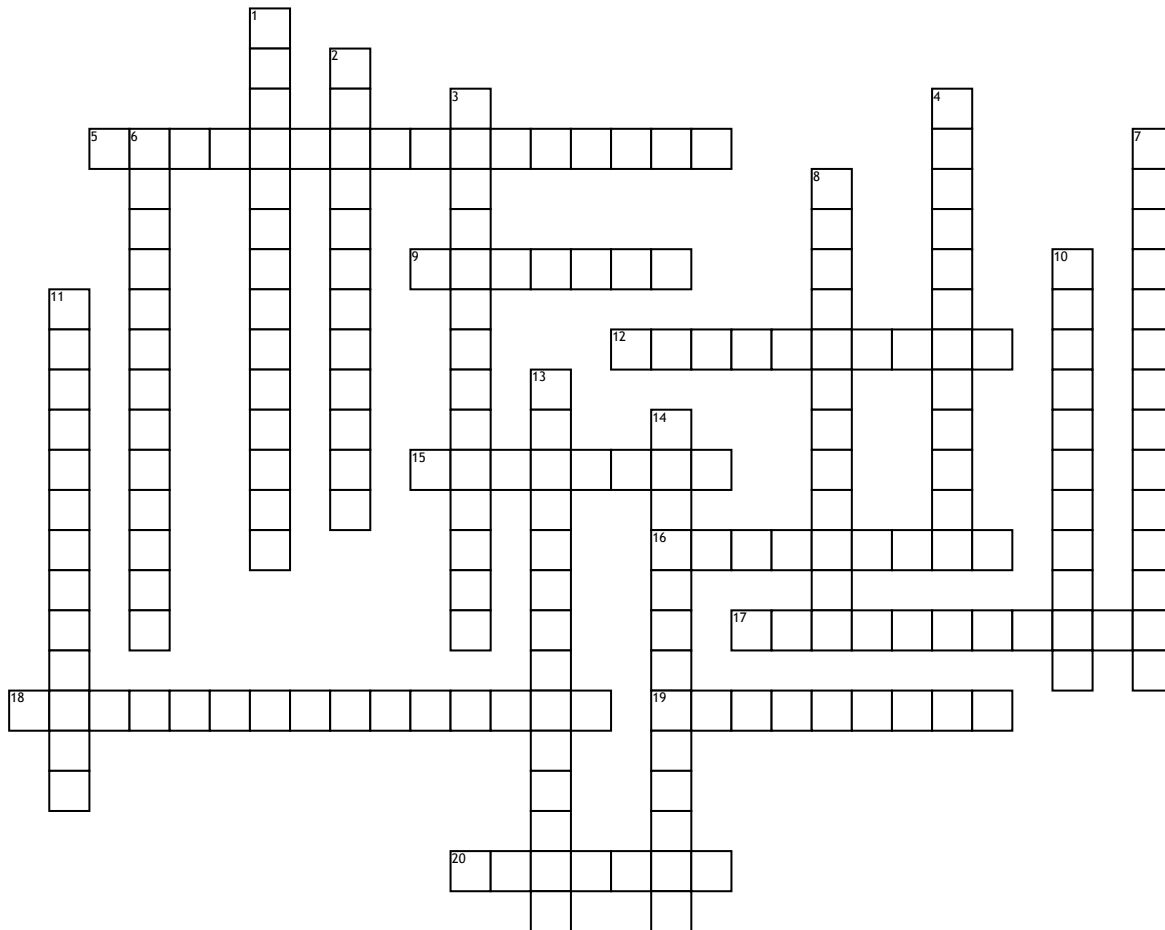


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Earth Science



## Across

5. Process where earth's magnetic field over thousands of years completely reverses its direction
9. An area where molten rock rises to earth's surface.
12. Valley formed on land when magma rises to earth's surface at a spreading center
15. The pulling of tectonic plates as its edge subducts deep into the mantle
16. The pushing of older material aside moving the tectonic plates away from the ridge
17. The layer of earth made up of the crust and the uppermost mantle

18. The extent of ancient glaciers also rock markings left behind

19. The point on earth's surface directly above the focus where an earthquake starts

20. super continent

## Down

1. Region where magma breaks through earth's surface continually forcing apart old rock and forming new seafloor
2. travel at about 6 km/s through earth's crust
3. Large slabs of rock that form earth's surface, moving over a layer of partly molten rock.

4. roll along earth's surface like ripples in a pond

6. Partly molten layer in earth's upper mantle just below the lithosphere

7. shear waves

8. long chain of volcanoes

10. sudden, ground-shaking release of built up energy at or under earth's crust.

11. Region where two tectonic plates are in contact.

13. areas that typically experience large earthquakes and volcanic eruptions

14. Proposed continental drift theory