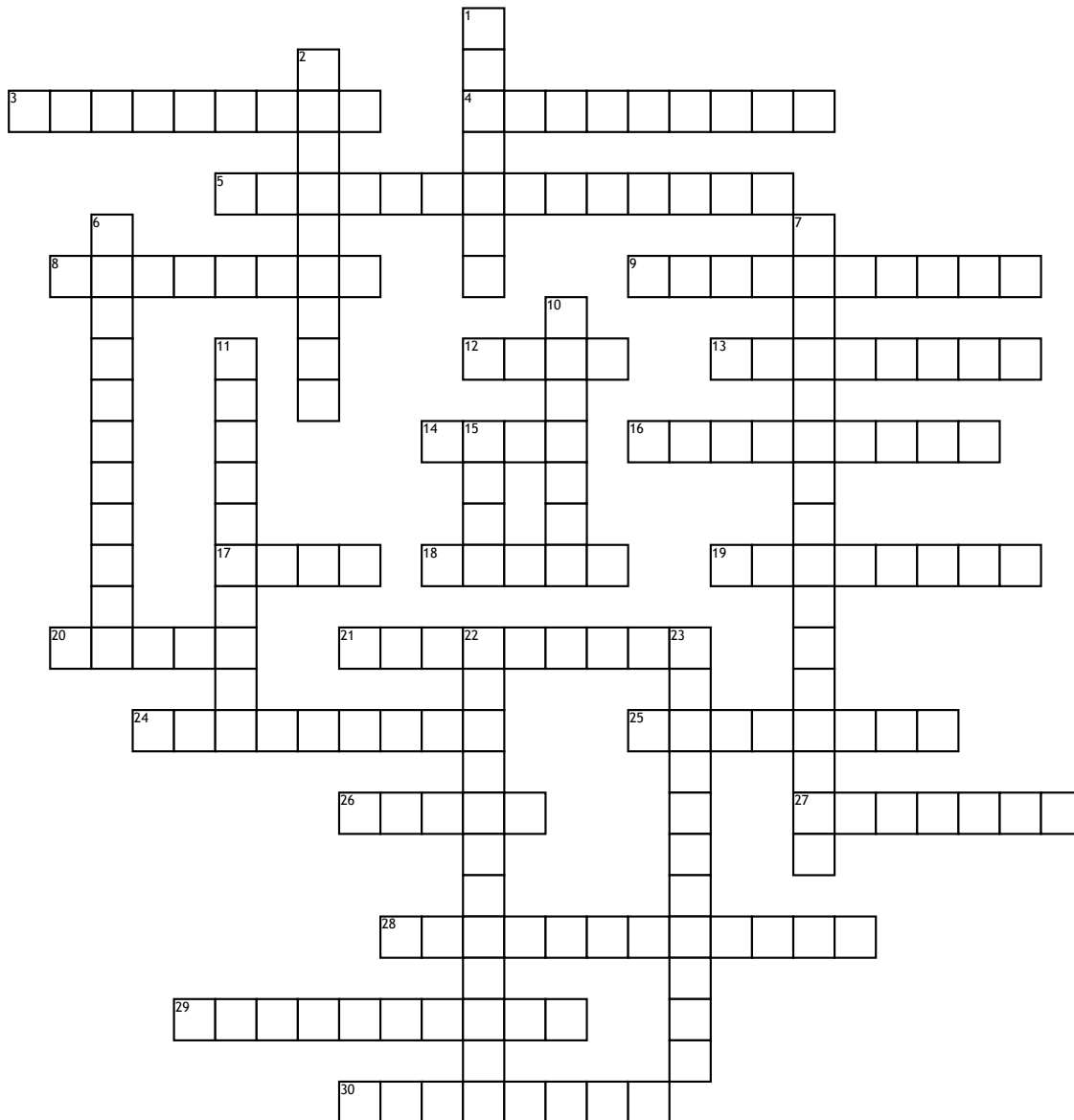


Name: _____

Date: _____

Ocean Currents



Across

- 3. A vertical, upward movement of deep, cold, nutrient-rich water to the surface.
- 4. Upwelling brings greater concentrations of dissolved _____ to the surface.
- 5. A gyre moves in circular motions because of the _____.
- 8. Density Currents are _____ currents that result from density differences.
- 9. The Coriolis effect is the _____ of currents away from their original course as a result of Earth's rotation.
- 12. Currents from high latitudes bring _____ water to lower latitudes.
- 13. Wind and _____ between the ocean surface creates surface currents.
- 14. Currents from low latitudes bring _____ water to the higher latitudes.
- 16. The density of water is _____ as the temperature rises.
- 17. The _____ current brings cool water from the poles toward the Equator.

18. Huge circular moving current systems that dominate ocean waters.

- 19. More nutrients at the surface help to produce more _____.
- 20. _____ water sinks
- 21. Surface currents move _____ in the northern hemisphere.
- 24. _____ circulation are created when high density water sinks.
- 25. If _____ increases, more salt is in the water, causing water to sink.
- 26. Density currents begin closer to the _____, at high latitudes.
- 27. The _____ is found at low latitudes.
- 28. Surface currents are movements of water that flow _____ from one place to another.
- 29. The _____ is a surface current that warms up Europe.
- 30. A gyre moves counter-clockwise in the _____ hemisphere.

Down

- 1. _____ currents are caused by low temperatures or high salinity.
- 2. If density _____, the water sinks.
- 6. At low _____ sea ice forms causing an increase in density.
- 7. Evaporation causes the density currents in the _____ as the water passes through the straits of Gibraltar.
- 10. Surface climates affect the _____ by transferring heat around the Earth
- 11. A half of the earth, usually as divided into northern and southern halves by the equator
- 15. Upwelling is caused by winds moving the water _____ from the coast.
- 22. A simplistic model of ocean circulation is like a _____ that travels around the globe.
- 23. _____ increases salinity by removing water.