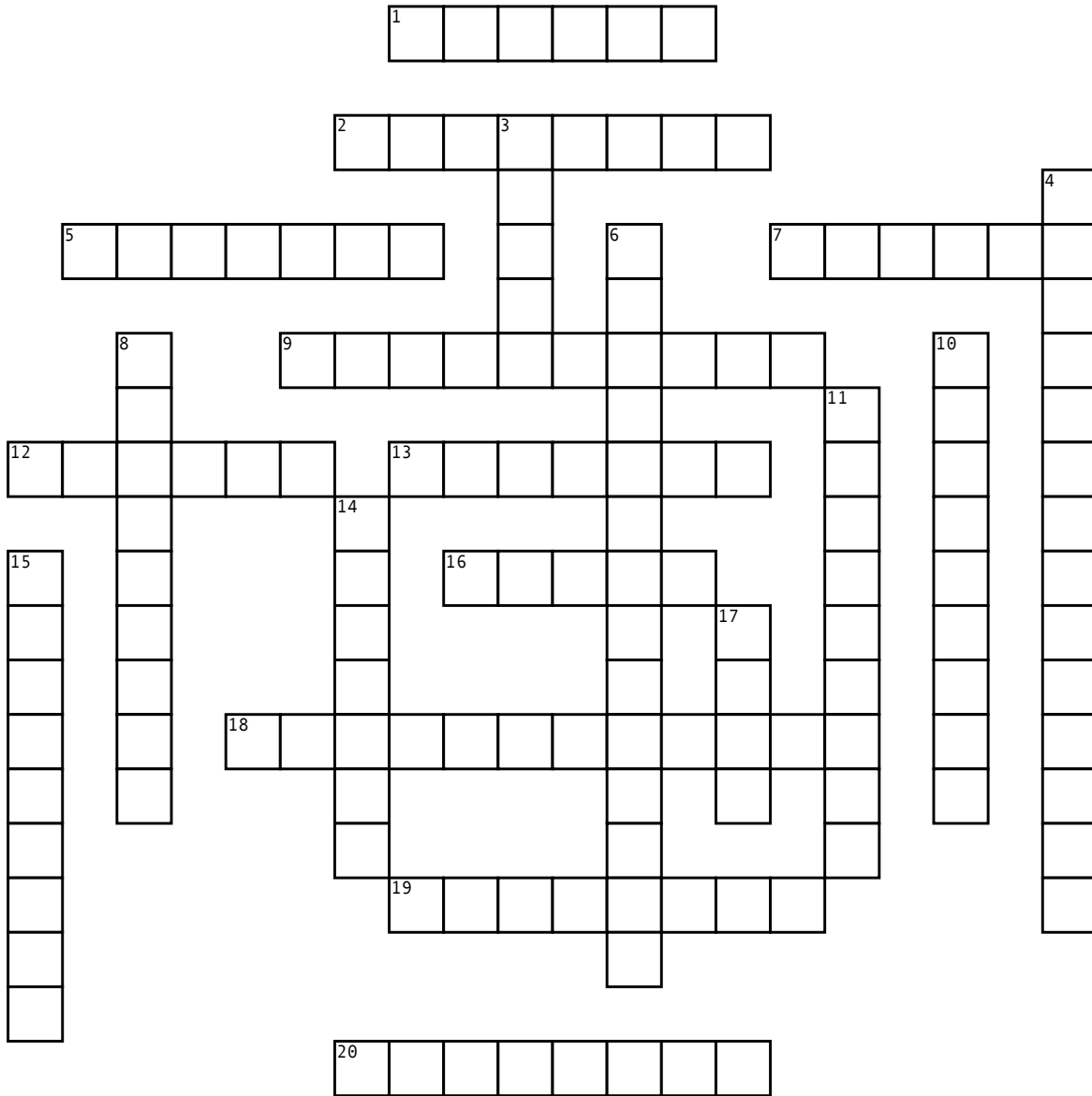


The Ocean and Weather



Across

1. Ocean water does not _____ until the temperature drops to about -1.9 degrees Celsius.

2. _____ increases continuously with depth in the ocean.

5. Deep currents move and mix water around the world. They carry cold water from the poles toward the _____.

7. An abnormal climate event that occurs every two to seven years in the Pacific Ocean.

9. The largest and most powerful surface current in the North Atlantic Ocean.

12. Density equals Mass divided by _____.

13. The pattern of temperature and precipitation typical of an area over a long period of time.

16. Unlike _____, currents carry water from one place to another.

18. These cause chilly waters to creep slowly across the ocean floor, and are caused by the differences in the density of water.

19. The total amount of dissolved salts in a sample of water.

20. Temperatures vary due to _____ and seasons.

Down

3. Ocean water contains many dissolved _____.

4. The effect of Earth's rotation on the direction of winds and currents.

6. This warms or cools the air above it, influencing the climate of the land near the coast.

8. A sample of cold water has more _____ than a sample of warm water of the same volume.

10. As cold water rises from the deep ocean, it brings a new supply of _____ to the surface.

11. As you descend through the ocean, the water temperature _____.

14. A large stream of moving water that flows through the oceans.

15. Without the nutrients brought by _____, fish die or go elsewhere to find food, reducing the fishing catch that season and hurting people's livelihoods.

17. Surface currents, which affect water to a depth of several hundred meters, are driven mainly by _____.