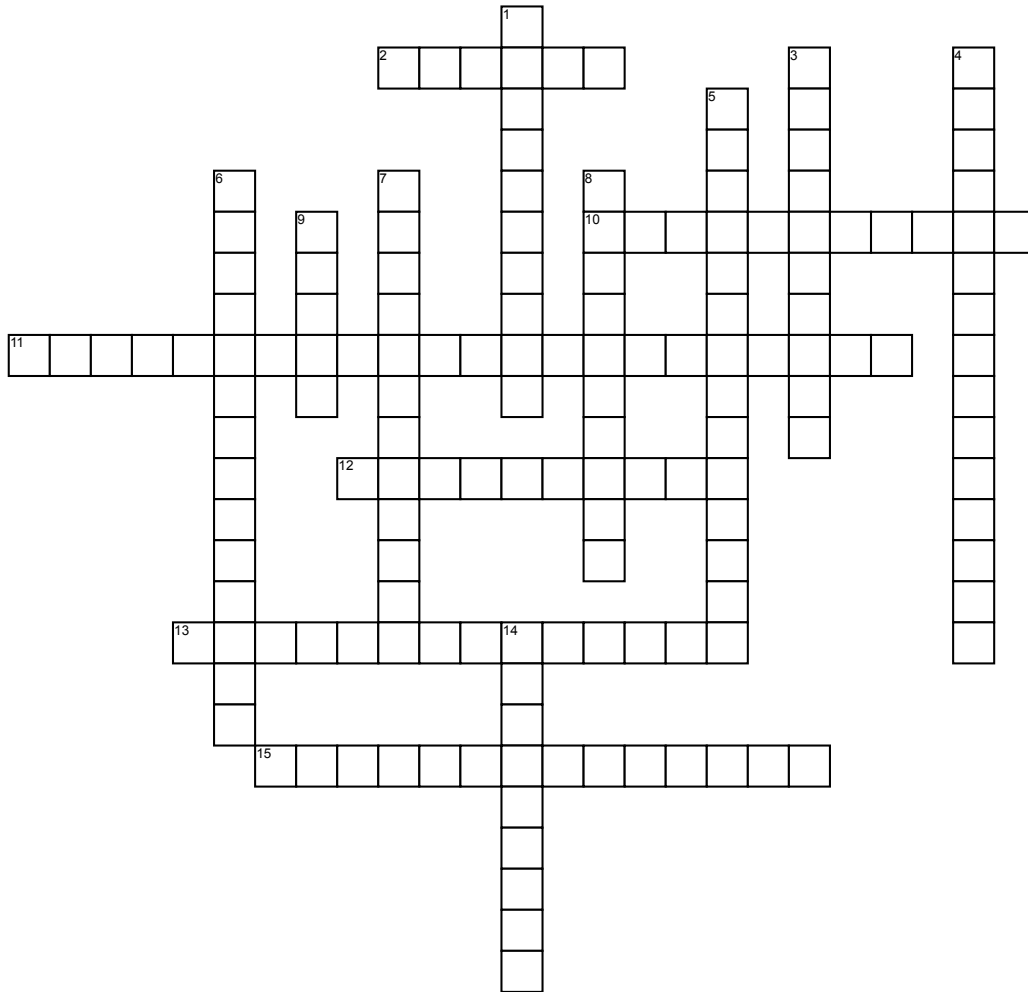


Oceanography Vocabulary



Across

- 2. warm surface current in equatorial eastern Pacific that occurs periodically around Christmas time
- 10. describes the speed and direction of flow of surface waters at various depths. Starts at 45°.
- 11. is the name for a model of the large system of ocean currents that affects weather and climate by circulating thermal energy around Earth.
- 12. 'push' surface waters toward the equator
- 13. are a type of vertical current that carries water from the surface to deeper parts of the ocean.

Word Bank

- Gulf Stream
- Upwelling
- Coriolis Effect
- Surface Current
- Trade Winds

- 15. extend to about 400 m below the surface, and they move as fast as 100 km/day.

Down

- 1. is a narrow, powerful surface current which flows away from the shore. •It is caused by pressure building up from uneven buildup of water from waves.
- 3. is a warm-water current that affects coastal areas of the southwestern United States by transferring lots of thermal energy and moisture to the surrounding air.
- 4. influence the formation of ocean currents and the direction they move.

- Rip Current
- Prevailing Winds
- Ekman Spiral
- Great Ocean Conveyor Belt
- Gyres

- 5. is the overall water movement due to Ekman spiral, is 90° from the wind
- 6. is the movement of wind and water to the right or left that is caused by Earth's rotation.
- 7. is a large volume of water flowing in a certain direction.
- 8. 'push' surface waters toward the poles
- 9. are large circular-moving loops of water
- 14. is the vertical movement of water toward the ocean's surface.

- Ekman Transport
- Density Current
- Ocean Current
- Westerlies
- El Niño