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Oceanography Vocabulary

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| **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.**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.**5.** is the overall water movement due to Ekman spiral, is 90º 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’ suface waters toward the poles**9.** are large circular-moving loops of water**14.** is the vertical movement of water toward the ocean’s surface. |

   Ocean Current       Surface Current       Prevailing Winds       Rip Current       Coriolis Effect       Upwelling       Density Current       Gulf Stream       Great Ocean Conveyor Belt       Ekman Spiral       Ekman Transport       Trade Winds        Westerlies       Gyres       El Niño