|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Oceanography Vocabulary

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 2E |  L |  N |  I |  Ñ |  O |  |  |  |  | 3G |  |  |  | 4P |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  P |  |  |  |  | 5E |  |  U |  |  |  |  R |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  C |  |  |  |  |  K |  |  L |  |  |  |  E |  |  |  |
|  |  |  |  |  |  |  |  | 6C |  |  |  | 7O |  |  |  U |  | 8W |  |  |  M |  |  F |  |  |  |  V |  |  |  |
|  |  |  |  |  |  |  |  |  O |  | 9G |  |  C |  |  |  R |  | 10E |  K |  M |  A |  N |  S |  P |  I |  R |  A |  L |  |  |
|  |  |  |  |  |  |  |  |  R |  |  Y |  |  E |  |  |  R |  |  S |  |  |  N |  |  T |  |  |  |  I |  |  |  |
|  |  |  |  |  |  |  |  |  I |  |  R |  |  A |  |  |  E |  |  T |  |  |  T |  |  R |  |  |  |  L |  |  |  |
|  |  |  | 11G |  R |  E |  A |  T |  O |  C |  E |  A |  N |  C |  O |  N |  V |  E |  Y |  O |  R |  B |  E |  L |  T |  |  I |  |  |  |
|  |  |  |  |  |  |  |  |  L |  |  S |  |  C |  |  |  T |  |  R |  |  |  A |  |  A |  |  |  |  N |  |  |  |
|  |  |  |  |  |  |  |  |  I |  |  |  |  U |  |  |  |  |  L |  |  |  N |  |  M |  |  |  |  G |  |  |  |
|  |  |  |  |  |  |  |  |  S |  |  | 12T |  R |  A |  D |  E |  W |  I |  N |  D |  S |  |  |  |  |  |  W |  |  |  |
|  |  |  |  |  |  |  |  |  E |  |  |  |  R |  |  |  |  |  E |  |  |  P |  |  |  |  |  |  I |  |  |  |
|  |  |  |  |  |  |  |  |  F |  |  |  |  E |  |  |  |  |  S |  |  |  O |  |  |  |  |  |  N |  |  |  |
|  |  |  |  |  |  |  |  |  F |  |  |  |  N |  |  |  |  |  |  |  |  R |  |  |  |  |  |  D |  |  |  |
|  |  |  |  |  |  |  | 13D |  E |  N |  S |  I |  T |  Y |  C | 14U |  R |  R |  E |  N |  T |  |  |  |  |  |  S |  |  |  |
|  |  |  |  |  |  |  |  |  C |  |  |  |  |  |  |  P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  T |  |  |  |  |  |  |  W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 15S |  U |  R |  F |  A |  C |  E |  C |  U |  R |  R |  E |  N |  T |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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