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Ocean Currents and Climate

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| **Across**  **3.** water that falls to the earth as rain, snow, sleet, or hail  **5.** plants open their pores for carbon dioxide and lose water to evaporation  **6.** the apparent curving path of a moving object from an otherwise straight path due to the Earth's rotation  **13.** these currents begin near the equator and travel toward the poles  **14.** A constantly moving system of deep ocean circulation driven by temperature and salinity  **15.** the side of the mountain that receives very little rainfall; the rain shadow  **17.** the side of a mountain that receives great amounts of rainfall due to warm, moist air traveling upward  **18.** the continuous process by which water moves from Earth's surface to the atmosphere and back; driven by energy from the sun & gravity  **19.** winds blowing from the sea toward the land; occur during the day in coastal areas | **Down**  **1.** ocean currents have a big impact on the \_\_\_\_\_\_\_\_\_\_\_\_\_ of an area  **2.** a measure of the amount of dissolved salts in a liquid  **4.** when currents meet continents they change direction  **7.** these currents begin near the poles and travel toward the equator  **8.** the amount of matter in a given space or volume  **9.** a stream-like movement of ocean water far below the surface  **10.** a horizontal movement of ocean water that is caused by wind and that occurs at or near the ocean's surface  **11.** water, driven by the heat of the sun, changes into vapor and rises into the air  **12.** water vapor cools and changes back into liquid form  **16.** winds blowing from the land toward the sea; occur in the evening in coastal areas |