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Tides

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| **Across**  **5.** A moon phase where the left half of the moon is lit  **7.** any star around which planets revolve  **8.** a disturbance caused by a vibration  **9.** the part of a terrestrial tide due to the mutual attraction between earth and moon  **11.** the state of the tide when at its lowest level  **12.** a type of tide that occurs when the sun, moon, and Earth are in a straight line  **15.** A partial tide, with a period of 12 hours, caused by the tide-producing force of the sun.  **16.** a force that exists between any two objects that have mass | **Down**  **1.** the layer of rock that forms Earth's surface  **2.** the phase of the moon when it is in conjunction with the sun and invisible from earth  **3.** A moon phase where the right half of the moon is lit and creates neap tides  **4.** the state of the tide when at its highest level.  **6.** the phase of the moon in which its whole disk is illuminated  **10.** produced when the sun, moon, and Earth align at a 90° angle  **13.** the third planet from the Sun  **14.** a molecule that contains two hydrogen atoms and one oxygen atom |