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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 |