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Earth and Sun vocabulary

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| **Across**  **3.** the straight-line distance through the center of an object, one side to the other side  **9.** a huge region beyond the gas giant planets, made up of different-sized icy chunks of matter  **13.** a group of stars in a pattern given a name by people  **14.** a large, round object orbiting a star  **15.** a mass of ice, rock, and gas orbiting the Sun  **16.** the star at the center of the solar system around which all of the solar system objects orbit  **17.** a huge sphere of hydrogen and helium gas that radiates heat and light  **18.** one of the four planets that are made of gas. These are Jupiter, Saturn, Uransu, and Neptune.  **19.** the four small, rocky planets closest to the Sum. These are Mercury, Venus, Earth, and Mars. | **Down**  **1.** a small, solid object that orbits the Sun  **2.** the force of attraction between masses  **4.** a push or pull that acts on an object or a system  **5.** a round object that orbits the Sun and does not orbit a planet  **6.** a scientist who studies objects in the universe, including stars, planets, and moons  **7.** an optical instrument that makes distant objects appear closer and larger  **8.** a group of seven bright stars in the shape of a dipper  **10.** the Sun and the eight planets and other objects that orbit the Sun  **11.** anything that has mass and takes up space  **12.** the third planet from the Sun |