Solar System

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| **Across****1.** to transform a planet to resemble the Earth, so it can support human life**4.** heating of the atmosphere caused by trapping of solar radiation by gases such as carbon dioxide and methane**6.** a celestial body that orbits the Sun and is round or nearly round, but has not cleared its orbital pathway of other objects**8.** suitable for human life**14.** a natural or artificial (man-made) object in orbit around a celestial body**15.** the distance light travels in one year, about 6 trillion miles**19.** an optical instrument designed to make distant objects appear nearer**20.** a celestial object that travels around the Sun in a highly elliptical orbit, made of ice and dust with a gaseous tail**21.** a natural satellite of a planet**23.** relating to the Earth or solid land**24.** an unmanned spacecraft with instruments designed to send information back to Earth**26.** the distance from a star where the temperature could be right for liquid water to exist**28.** the spiral galaxy that contains our Solar System**29.** a group of planets or celestial bodies that revolve around a sun**30.** a vehicle driven by remote control over rough extraterrestrial terrain | **Down****2.** very weak gravity; weightlessness**3.** A region of icy celestial bodies orbiting the Sun beyond Neptune**5.** a large spacecraft orbiting Earth, where astronauts from many countries live and conduct scientific experiments**7.** a building built to contain an astronomical telescope**9.** a small rocky body orbiting the Sun, found between the orbits of Mars and Jupiter**10.** a celestial body that produces radiant energy through the process of nuclear fusion**11.** a group of millions or billions of stars held together by gravity**12.** the combination of materials or elements that make up a whole**13.** a planet that orbits a star outside our Solar System**16.** any natural object outside the Earth's atmosphere**17.** National Aeronautics and Space Administration**18.** the layer of gases surrounding a celestial body**22.** a celestial body that orbits the Sun, is round, and has cleared its orbital pathway of other objects**25.** a region of space with such strong gravity that no matter or light can escape from it**27.** technology originally developed for mission needs that has become useful for the public |