Solar System

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 9 |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |  |  | 12 |
|  |  | 13 |  |  |  |  |  |  | 14 |  |  |  |  |  |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 17 |  |  |  |  |  |  |  |  |  |  | 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  | 21 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 22 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 26 |  |  |  |  |  |  |  |  | 27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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 |