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| Know the facts | | **Key words** | |
| 1 | The Earth is one of eight planets in our Solar System. | 1 | **Galaxy:** Collection of stars held together by gravity. Our galaxy is called the Milky Way. |
| 2. | Planets large objects that are (almost) spherical in shape and orbit the Sun. | 2 | **Light year:** Distance light travels in a year (over 9 million, million kilometres). |
| 3 | The Earth spins on its axis 1 times a day. That is why we have day and night. | 3 | **Stars:** Bodies which give out light, and which may have a solar system of planets. |
| 4. | The Earth has seasons as the Earth is moving around the Sun and some parts are tilted towards the Sun and other parts are tilted away from the Sun | 4 | **Orbit:** Path taken by a satellite, planet or star moving around a larger body. Earth completes one orbit of the Sun every year. |
| 5. | Pluto is no longer classed as a planet as it is too small and is quite spherical enough. It hasn't been a planet since 2006. | 5 | **Exoplanet:** Planet that orbits a star outside our solar system. |
| 6. | A year is the time taken to make one complete orbit around the Sun. | 6 | **Asteroid:** A rock in space. |
| 7 | We see the Moon due to reflection of the Sun's light | 7 | **Comet:** Made of dust and ice. |
| 8 | Planets further from the sun are colder |  | **Natural satellite :** an object in space which formed from dust rocks |
| 9 | The universe consists of millions of galaxies. Each galaxy contains billions of stars. Each star may have planets, comets and asteroids orbiting them. |  | **Meteor** : are bits of dust, rocks that burn up as they move through the Earth’s atmosphere. |
| 10 | The Moon has different phases due to the positioning of the Earth, Sun and Moon. |  | **Meteorite** : is a meteor that has made it to the Earths surface |
| 11 | Our solar system is part of the Milky Way - a galaxy containing hundreds of millions of stars. |  | **Gravity:** the force that helped pull the dust and gas together to form our Solar system |
| 12 | There are millions of galaxies in the universe. |  | **Constellation :** A group of stars we can see in the night sky. |
| 13 | A solar eclipse happens when the moon is between the Sun and the Earth |  | **Solar System:** The planets form a solar system |
| 14 | A lunar eclipse happens when the Earth is between the sun and the moon |  | **Milky way:** the name of our galaxy |
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**Space Year 7**