

Name: _____

Earth and Space

The Solar System is like a big family with the Sun in the middle. Everything, including planets and other space things, stick together because of gravity, which works like an invisible force.

In this family, there are eight main members called planets. The first four planets are rocky, then there are two giant gas planets and the last two are very cold and made of ice.

1. Earth is the fifth largest planet in the Solar System.
2. It is the third planet from the Sun.
3. It is the only planet in the Solar System to have water in its liquid form.
4. Earth is the only place in the universe where life is known to exist.
5. Earth has features like mountain ranges, canyons, ridges, plains, and volcanic activity.



Activity:

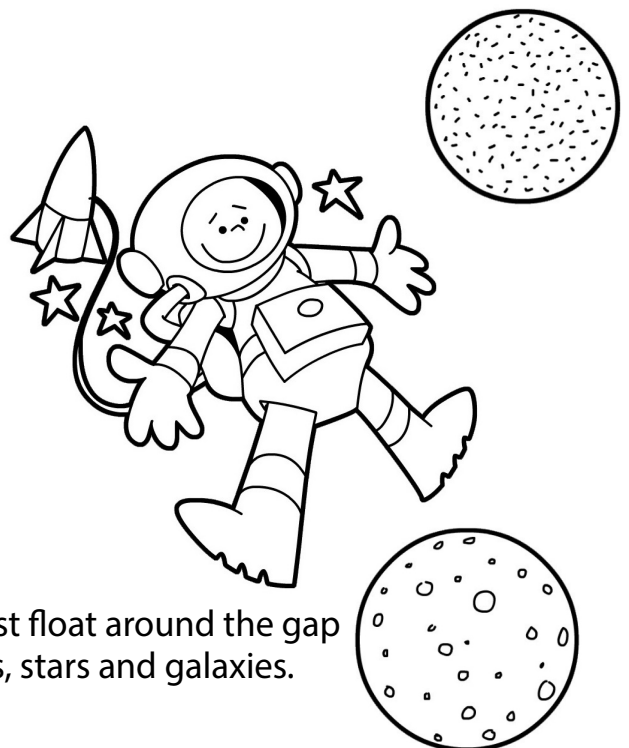
Write another five interesting facts in the Earth picture featured here.

What is space?

Space is a vacuum. In space, no one can hear you scream! This occurs because there is no air in space and sound waves cannot travel through a vacuum.

'Outer space' starts about 100 km above the Earth. There is no air to breathe, and it looks like a black blanket dotted with stars.

Although space seems empty, it is not. Gas and dust float around the gap universe, while more crowded regions host planets, stars and galaxies.



The term “light-years” is used to measure long distances in space, which measures the distance it takes for light to travel in a year (roughly 5.8 trillion miles, or 9.3 trillion kilometres).

Space is also filled with radiation that is dangerous to astronauts. Most of the infrared and ultraviolet radiation comes from the Sun.

Activity 2: Design and build your spaceship

Test your design and building skills by creating a spaceship using recycled materials (e.g., cardboard, tin foil, plastic bottles, newspaper, bottle tops etc.).

Plan your design on paper before you start building.

After completing your project, answer these questions:

What materials did you use to build your spaceship?

Why did you choose those particular materials?

Did you follow your exact design?

What is the name of your spaceship?

Write a paragraph about your trip to space.
