

How do living things adapt to their habitats?

Skills

How are the planets and the Sun arranged in our Solar System?

Classify planets based on research subject knowledge.

Does the moon move around the Earth?

Generate questions and use secondary research to find out about Earth and Space.

What shape are the planets and stars in our Solar System?

Generate questions and use secondary research to find out about Earth and Space.

What causes night and day?

Observe over time by taking measurement of shadows throughout the day.

Knowledge

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

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Yr 5 Earth and Space Knowledge Mat

Subject Specific Vocabulary

Sun	is a star at the centre of our Solar System.
Earth	is the third planet in our Solar System orbiting the sun.
A moon	is a natural satellite that orbits around a planet.
Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune	order of the planets of the Solar System from the sun.
spherical	to be similar to the shape of a sphere.
Solar System	the collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids, and comets.
rotates	to move in a circle round an axis or centre.
star	are giant spheres of superhot gas made up mostly of hydrogen and helium.
orbit	is a repeating path that one object in space takes around another. All orbits are elliptical in shape.
planet	are large natural objects that orbit, or travel around, stars.



Sticky Knowledge about Living things and their Habitats

The Earth takes a year to orbit around the sun

The Earth is the third planet from the sun and the only world known to support an atmosphere with free oxygen, oceans of liquid water on the surface and life.

Venus is the hottest planet in our Solar System and has an average surface temperature of around 450°C.

The moon is a satellite that orbits around the Earth every 27 days.

The Sun, the Earth and the Moon are approximately spherical bodies.

The Earth rotates on its axis from West to East about every 24 hours.

Exciting books



How does the Earth's rotation cause night and day?

