

Science—Year 5—Earth and Space

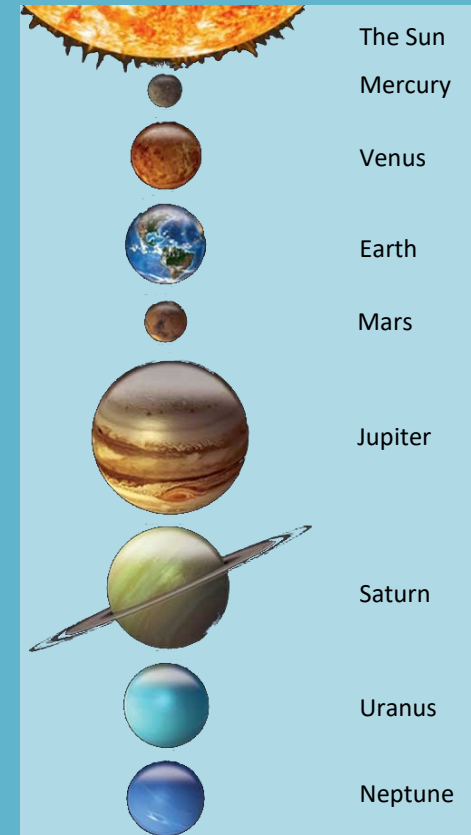
Key Knowledge

- The Sun is a star at the centre of our solar system and that it has eight planets orbiting it: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.
- A moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).
- It takes approximately 28 days for the Moon to orbit Earth.
- It takes 365 ¼ days for Earth to orbit the Sun.
- Earth spins on its axis. It takes 24 hours for earth to complete one spin (revolution)
- Day is when one half of Earth is facing the sun.
- Night is when one half of the Earth is facing away from the Sun.
- As Earth spins, the Sun appears to travel across the sky.
- Describe the Sun, Earth and Moon as approximate spherical bodies.

Vocabulary



Earth	Mars	gibbous
planets	Jupiter	full moon
Sun	Saturn	3rd quarter
solar system	Uranus	
Moon	Neptune	
celestial body	Pluto	
sphere/ spherical	orbit	
rotate/ rotation	revolve	
Spin	revolution	
night and day	Moon phase	
Mercury	crescent	
Venus	new moon	
	1st quarter	



The Sun
Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune

Key People

Tim Peakes (1972—
) British astronaut.



Neil Armstrong
(1930—2012) First
man on the Moon in
1969.



Valentina Tereshkova
(1937—) became the
first woman to fly to
space when she
launched on the
Vostok 6 mission June
16, 1963.



**Sir Alfred Charles
Bernard Lovell**
(1913—2012) was an
English physicist and
radio astronomer.

