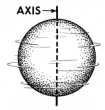
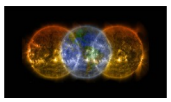
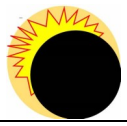
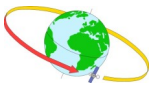
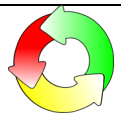
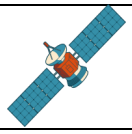
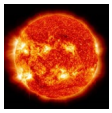
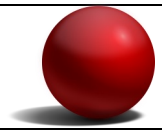
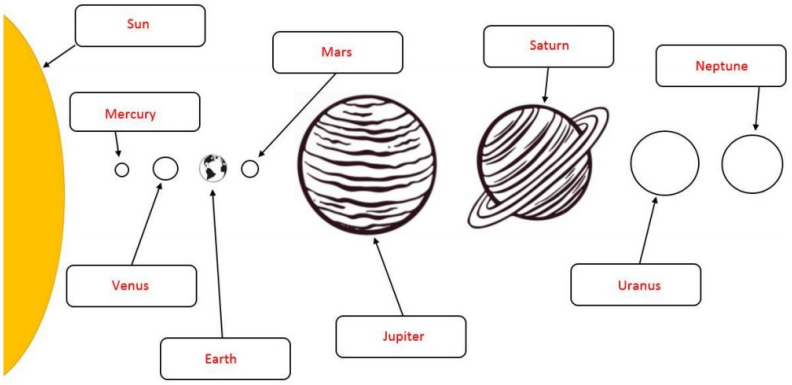
St Sebastian's Primary School Knowledge Organiser

Term—**Autumn 1** Science—**Earth and Space** Year **5**

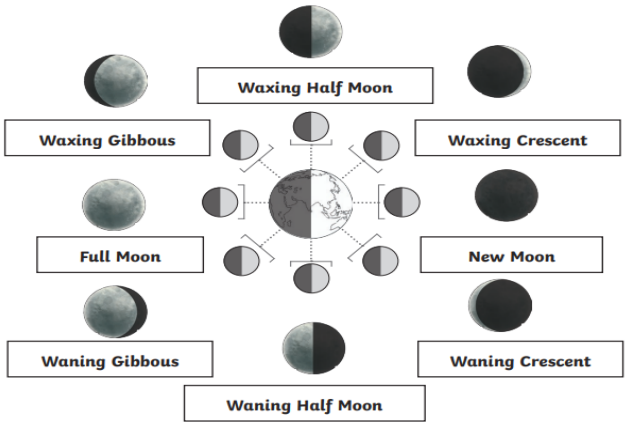
Vocabulary		
axis		a real or imaginary line through the centre of an object around which it turns
celestial body		a natural object visible in the sky
eclipse		the blocking from view of the sun, moon or planet by another heavenly body
lunar		to do with the moon
orbit		the curved path in which a planet, satellite or spacecraft moves in a circle around a body
planet		a large body in outer space that circles around the sun or another star
rotation		to turn around an axis
satellite		a heavenly body that moves around a planet or another large body
solar		to do with the sun
solar system		our sun, eight planets and their moons
sphere		a round, solid figure
star		a heavenly body visible from earth as points of light in the sky
universe		all matter and energy; all existing things

The Solar System

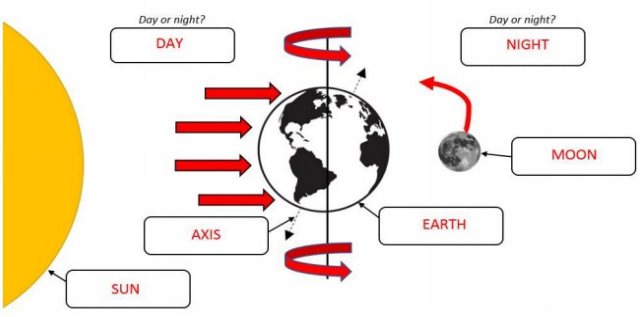


- The **sun** is a huge ball of **burning gas** that produces heat and light. It is a **star**
- The sun is the centre of our **Solar System**
- The planets in our Solar system **all orbit the sun**
- The planets closest to the sun have a short orbit while the planets furthest from the sun have a much longer orbit

The Lunar Cycle



- The **moon orbits** Earth in a oval shaped path while spinning on its **axis**
- At various times in a month, the moon appears to be different shapes because the sun lights up different parts of it.

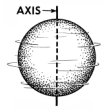
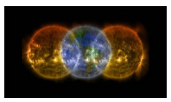
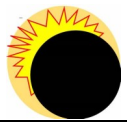
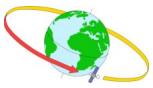
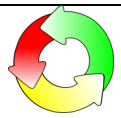
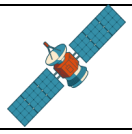
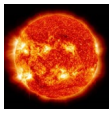
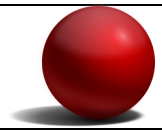
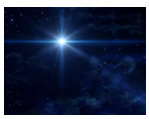


Day or Night?

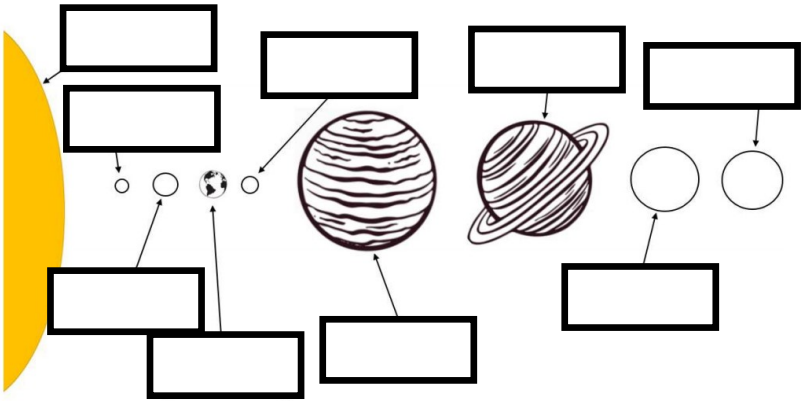
A rotation of the Earth means that it moves on its own axis. It takes 24 hours for it to make one complete rotation which equals one entire day. The Earth takes approximately 365 days to complete one revolution around the sun in an elliptical orbit. 365 days is equivalent to 1 year. The moon is a celestial body which orbits the Earth. It takes the moon 28 days to complete one revolution around the Earth.

St Sebastian's Primary School Knowledge Organiser

Term—**Autumn 1** Science—**Earth and Space** Year **5**

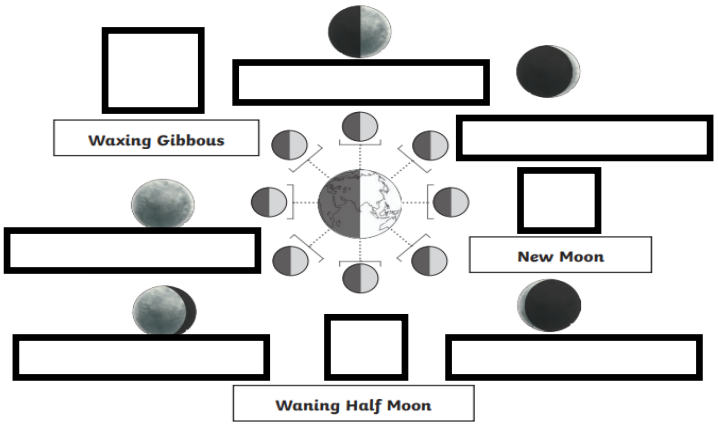
Vocabulary		
axis		
		a natural object visible in the sky
		the blocking from view of the sun, moon or planet by another heavenly body
lunar		
		the curved path in which a planet, satellite or spacecraft moves in a circle around a body
planet		
		to turn around an axis
satellite		
solar		
		our sun, eight planets and their moons
		a round, solid figure
star		
universe		

The Solar System

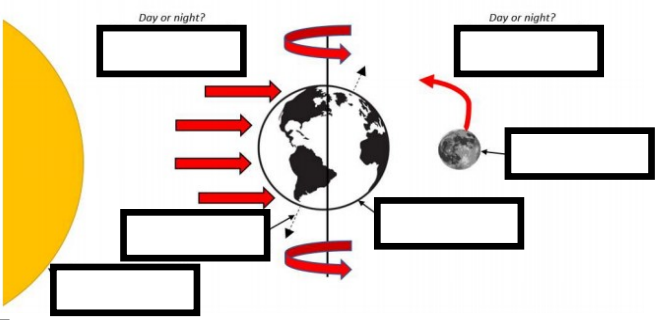


- The _____ is a huge ball of **burning gas** that produces heat and light. It is a _____.
- The sun is the centre of our _____ _____.
- The planets in our Solar system ___ _____ _____ ___ ___
- The planets closest to the sun have a _____ orbit while the planets furthest from the sun have a much _____ orbit

The Lunar Cycle



- The **moon orbits** _____ in a oval shaped path while spinning on its _____.
- At various times in a month, the moon appears to be different _____ because the _____ lights up different parts of it.



Day or Night?

A rotation of the Earth means that it moves on its own ____. It takes ____ hours for it to make one complete _____ which equals one entire ____. The Earth takes approximately ____ days to complete one _____ around the sun in an elliptical ____. 365 days is equivalent to ____ year. The moon is a _____ body which orbits the Earth. It takes the moon ____ days to complete one revolution around the Earth.