

Earth and Space - Science (Physics)

Subject Specific Vocabulary		Associated Diagram	Sticky Knowledge
Sun	A huge star that Earth and the other planets in our solar system orbit around.		Describe the movement of the moon relative to Earth: The Moon orbits Earth in an oval shaped path while spinning (rotating) on its axis. At various times in a month, the Moon appears to be different shapes. This is because as the Moon rotates round Earth, the Sun lights up different parts of it.
Star	A giant ball of gas held together by its own gravity.		Explain night and day: We get day and night because the Earth spins (or rotates) on an imaginary line called its axis and different parts of the planet are facing towards the Sun or away from it. It takes 24 hours for the world to turn all the way around, and we call this a day .
Moon	A natural satellite which orbits Earth or other planets.		How long does it take for the Earth to orbit the sun? 365 1/4
Planet	A large object, round or nearly round, that orbits a star.		How long does it take for the moon to orbit the Earth? 27 days (approximately - 27.3)
Sphere	A round 3D shape in the shape of a ball.		How long does it take for the Earth to full rotate? 24 hours
Satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.		Why does the moon appear to give off light? It reflects light from the sun
Orbit	To move in a regular, repeating curved path around another object.		What is the sun? A star. The <i>Sun</i> is a yellow dwarf star, a hot ball of glowing gases at the heart of our <i>solar</i> system.
Rotate	To spin. E.g. Earth rotates on its own axis.		Describe the movement of the Earth and other planets relative to the sun in the solar system: The Earth travels around the Sun in a loop that is shaped a bit like an oval this is due to the sun's gravity. We call this the Earth's orbit . As Earth and the other planets orbit the sun, they also spin (rotate) causing night and day.
Axis	An imaginary line that a body rotates around. E.g. Earth's axis (imaginary line) runs from the North Pole to the South Pole.		
Solar System	the collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, mete-oids, and comets.		