

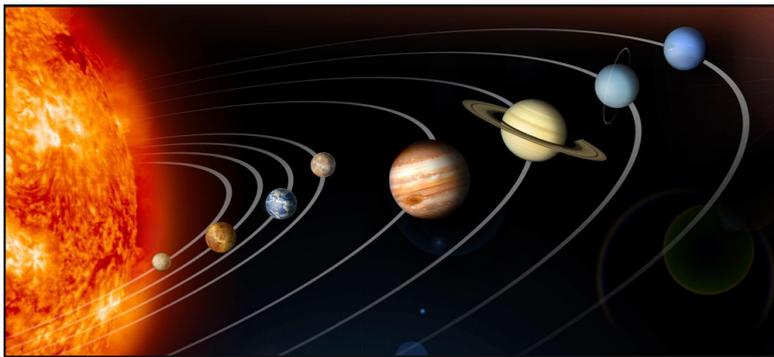
Earth & Space (Physics) Knowledge Organiser



Name: Neil Armstrong
DOB: 05.08.1930 - 25.02.2012
Job: Astronaut
Famous for: He was the first man on the moon in APOLLO 11 (1969)
Famous quote: 'That's one small step for a man, one giant leap for mankind'

Famous Astronauts

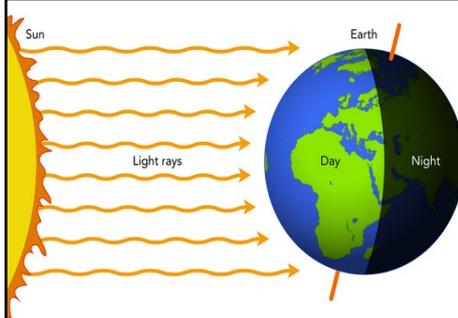
Yuri Gagarin- First man in space on the VOSTOCK 1 spacecraft (1951)
Valentina Tereshkova- First woman in space from Russia on VOSTOCK 6 (1963)
Katherine Johnson- She was a NASA employee who calculated orbital mechanics which were critical to the success of the first space flights



Sequence of Planets in order from the Sun

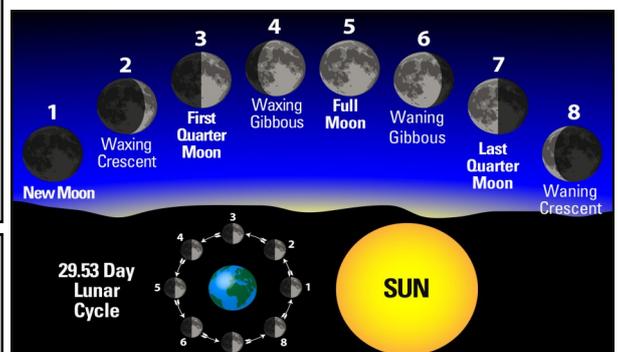
Mercury- The smallest planet
Venus- The brightest planet in our solar system
Earth- The only planet with water on its surface
Mars- Known as the 'Red Planet'
Jupiter- The largest planet and is made up of gas
Saturn- Famous for its rings, a gas giant
Uranus- A planet completely composed of gas
Neptune- Blue in colour due to high methane levels
Pluto- This used to be a planet but is now known as a 'Dwarf Planet'

My
 Very
 Easy
 Method
 Just
 Speeds
 Up
 Naming
 Planets



1) It takes approximately 28 days for the moon to orbit the Earth.
 2) It takes 365 1/4 days (1 year) for the Earth to orbit the Sun.

Astronomy	Science which deals with celestial objects, space, and the physical universe as a whole
Axis	An imaginary line in which planets rotate on
Gravity	The force that attracts a body towards the centre of the earth
Lunar (moon)	Relating to the moon
Orbit	The path of a celestial (everything that lies above the surface of the Earth) body
Planet	A celestial body that revolves around the sun
Rotation	To turn or spin on an axis (a line on which something rotates)
Satellite	Any celestial body orbiting around a planet or star
Solar System	A star and everything that travels around it
Spherical	Shaped like a sphere
Sun	The star at the centre of a solar system
Universe	All of space time and their contents, including planets, stars, galaxies, and all other forms of matter and energy.



3) It takes 24 hours for the earth to rotate on its axis once.
 4) Every four years, we have an additional day on February 29th- this is called a leap year.