

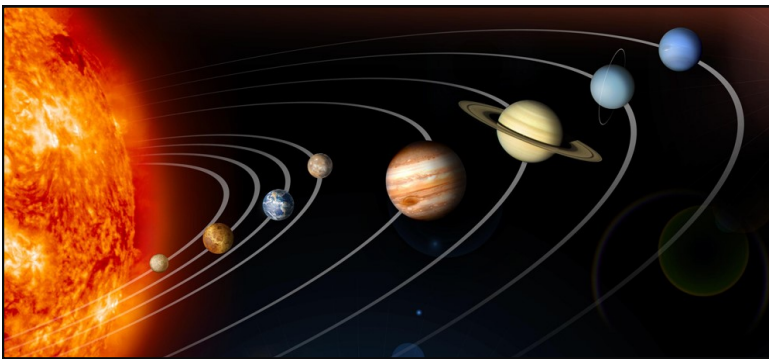
# Earth & Space (Physics) Knowledge Organiser



**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

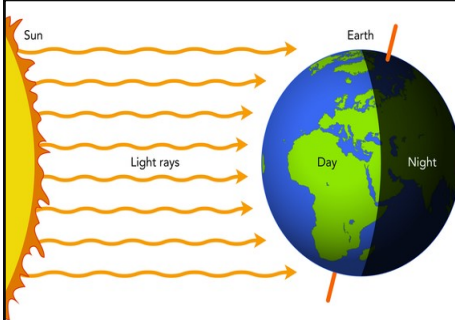
**Yuri Gagarin**- First man in space on the VOSTOCK 1 spacecraft (1951)  
**Valentina Tereshkova**- First woman in space from Russia on VOSTOCK 6 (1963)  
**Katherine Johnson**- She was a NASA employee who calculated orbital mechanics which were critical to the success of the first space flights



### Sequence of Planets in order from the Sun

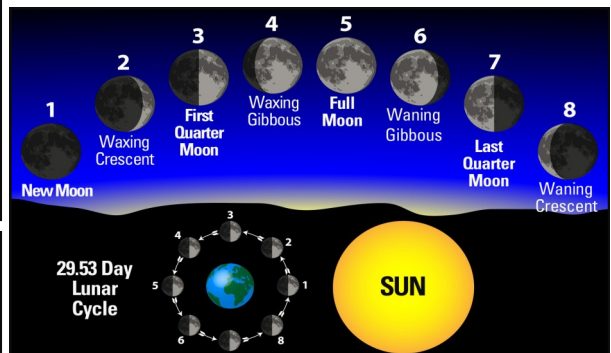
**Mercury**- The smallest planet  
**Venus**- The brightest planet in our solar system  
**Earth**- The only planet with water on its surface  
**Mars**- Known as the 'Red Planet'  
**Jupiter**- The largest planet and is made up of gas  
**Saturn**- Famous for its rings, a gas giant  
**Uranus**- A planet 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.

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