



“How Does Space And The Solar System Impact On Our Modern World? (Earth & Space)”

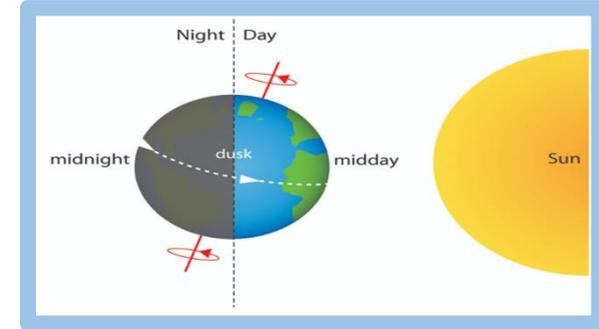


Big Ws: Solar System



- There are **8 planets** in the solar system.
- They **orbit the sun**.

Big Ws: Day and Night



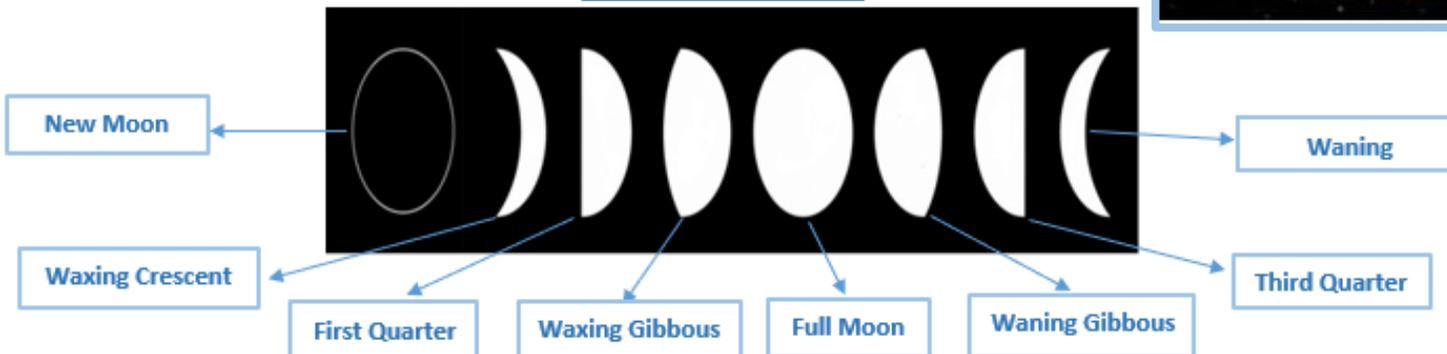
- We have day and night because the Earth **rotates** on its **axis**.
- It takes the Earth a whole day (**24 hours**) to make a **complete turn**.
- The **sun does not move**.

Big Ws: Earth's Moon Phases

- As the Moon orbits the Earth, the **amount of the lit side we see changes**.
- A **lunar month is 28 days**.



Phases of the Moon



Big Ws: Earth



- The Earth is a **sphere**.
- It is tilted on its **axis**.
- It takes a **year** to orbit the sun.

Important People

Neil Armstrong
(1930 – 2012)



- Commanded the 'Eagle' lunar module as it landed on the moon's surface.
- 'One small step for man, one giant leap for mankind'.

Mae Jemison
(1956- now)



- **First African American woman** to travel into space.
- Travelled on the space shuttle **Endeavor**, orbiting the Earth.

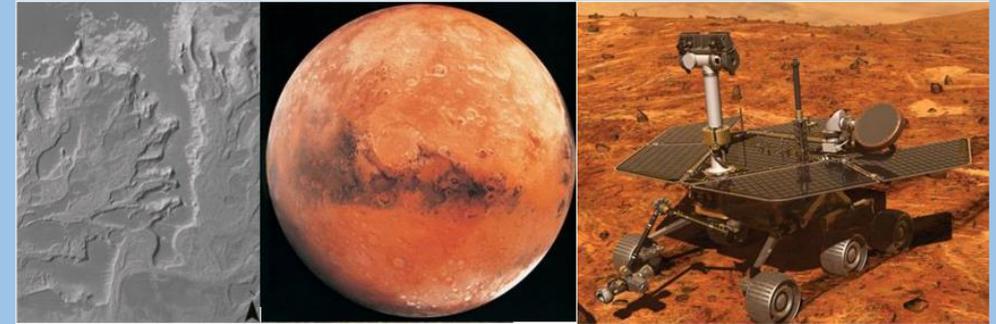
Tim Peake
(1972- now)



- **First official British astronaut** to walk in space.
- 2016 mission to the **International Space Station (ISS)**,

Big Ws: Mars

- Mars has **canyons, mountains** and **volcanoes**.
- Many **scientists** are investigating whether there could have been **life on Mars**.
- They think **liquid water** once existed.
- **No one** has ever walked on Mars.



Vocabulary

axis	crater	eclipse	galaxy	Mars Rover	orbit	rotate	space exploration
Imaginary line an object turns around.	Impact of a meteorite, volcanic activity, or an explosion.	Blocking of the light. Either solar or lunar.	System of millions or billions of stars.	Vehicle that travels across the surface of the planet Mars.	Path of an object around a particular point in space.	Spin around on an axis.	Spacecrafts (with or without crews) sent to explore space.