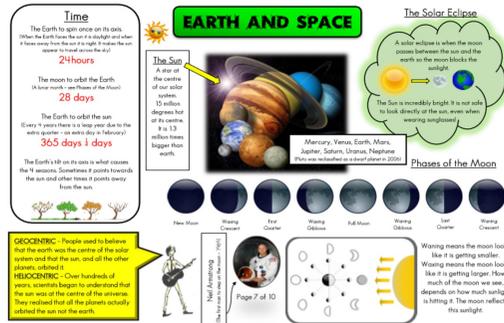


# Science—Space

## Diagrams and Images



## Important Facts / People

**NASA**– The National Aeronautics and Space Administration—a US agency responsible for the exploration and study of space.

**Astronomy**– The branch of science that deals with space and the physical universe as a whole.

Mae Jemison went into orbit aboard the Space Shuttle Endeavour in 1992 and became the **first African American woman in space**.

Neil Armstrong was the first human to walk on the moon during the NASA (National Aeronautics and Space Administration) Apollo 11 mission on 20th July 1969

There are 8 planets in our solar system, they are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Planets in our solar system can be divided into two main groups, Terrestrial Planets and Gas Giants.

The order of the planets from closest to the Sun outwards is; Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and finally Neptune.

The different shapes of the lit portion of the Moon that can be seen from Earth are known as phases of the Moon. **Each phase repeats itself every 29.5 days**. The same half of the Moon always faces the Earth, because of tidal locking. So the phases will always occur over the same half of the Moon's surface.

Useful websites: <https://www.bbc.co.uk/bitesize/topics/zkbbkqt>

## Vocabulary / Key Terms

Star	A burning mass of gas that makes heat and light energy.
Planet	An astronomical body that orbits a star and does not emit its own light.
Gravity	The force that attracts an object towards a larger object.
Solar System	A cluster in space that has a star with heavenly bodies revolving around it.
Light-Year	The distance light travels in a year.
Galaxy	An extremely large group of stars and planets that extends over many of billions of light years.
Universe	All of space and everything in it.