



Mae Jemison

is the first African American female astronaut. In **1992**, she flew into space aboard the Endeavour, becoming the first African American woman in space.

1992

Day and night

At any one time, half of the Earth is in darkness (night-time) and half is in light (daytime). As the Earth rotates, it appears that the Sun moves across the sky, with the Sun rising in the East and setting in the West, but it is the Earth which is moving, not the Sun.



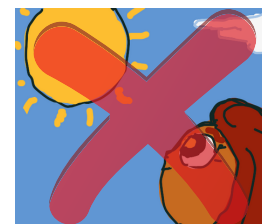
The Moon takes
28 days
to orbit the Earth.

The moon orbits the Earth in an oval-shaped path whilst it spins on its axis.



At different times in the month, the moon appears to be different shapes. This is because the sun lights up different parts of the moon as the moon moves around the Earth.

Year Five Earth and Space



NEVER
look
directly
at the
Sun!



Spring 1

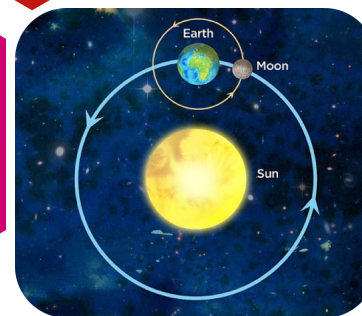
The Sun, Earth and Moon are approximately **SPHERICAL** bodies

Mercury, Venus, Earth and Mars are rocky planets. They are mostly made up of metal and rock. Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.

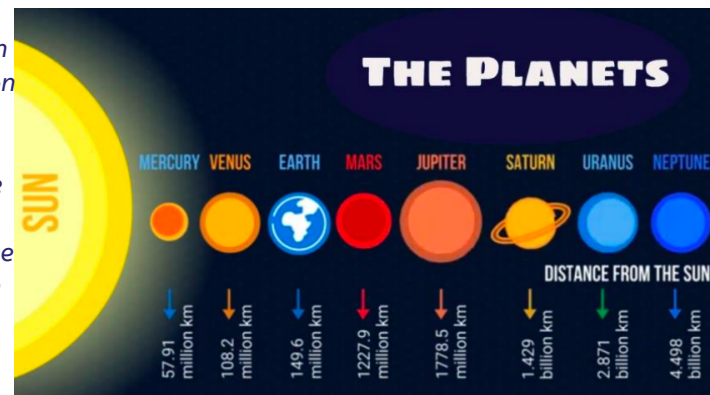
The **8** planets that orbit the Sun are:
Mercury Venus
Mars Neptune
Uranus Saturn
Jupiter Earth



Pluto used to be considered a **planet** but was reclassified as a dwarf **planet** in 2006.



THE PLANETS



Glossary

Axis - an imaginary line that a body rotates around. e.g. the Earth's axis runs from the North Pole to the South Pole

Galaxy - a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction

Gravity - the force that attracts an object towards a larger object

Moon - a natural satellite which orbits Earth or other planets

Orbit - to move in a regular, repeating curved path around another object

Planet - a large object that is round, or nearly round, which orbits a star

Satellite - any object or body (natural or man-made) in space that orbits something else

Solar system - made of up the Sun, the 8 planets that orbit it and many other asteroids, moons and dwarf planets

Star - a giant ball of gas held together by its own gravity

Sun - a huge star that Earth and the other planets in our Solar System orbit around

Universe - all of space and everything in it