




WALT: explain why we know the Sun, Earth and Moon are spherical.




Observations of the shadow cast by the Earth on the moon was used as evidence that the Earth was spherical.



Photographs of the Earth have been taken in outer space. No matter where around the Earth the pictures have been taken, they always show a circular Earth. This can only be the case if the Earth is spherical.

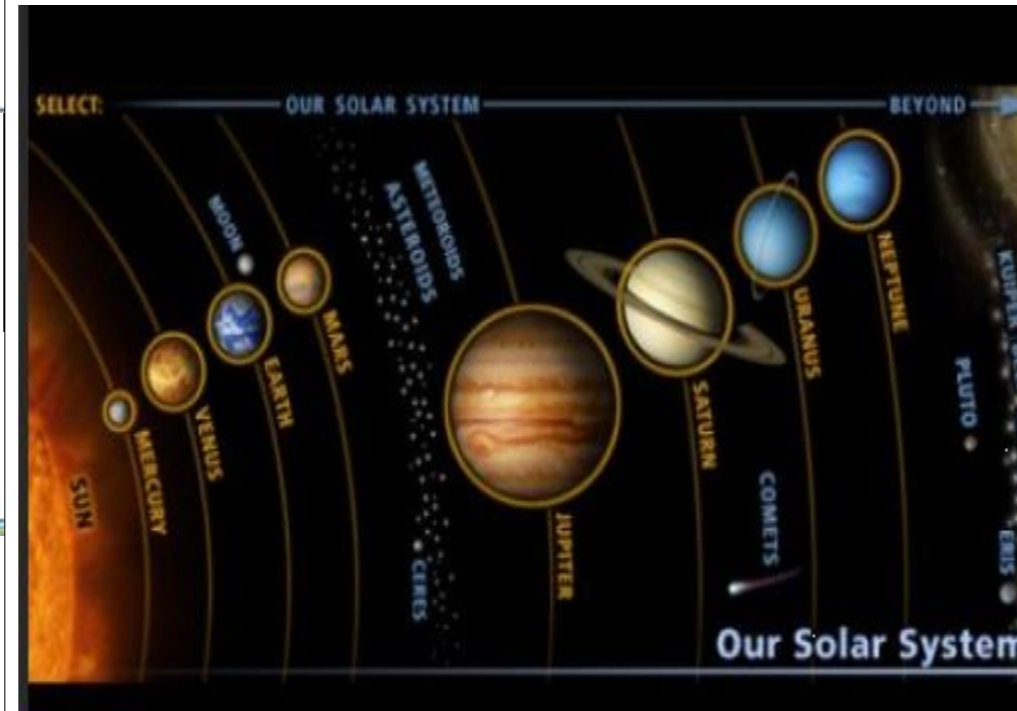


If the Earth were flat then everyone would see the same constellations (groups of stars) wherever they were. However, travellers and sailors observed that in fact they saw different constellations depending on where they were.

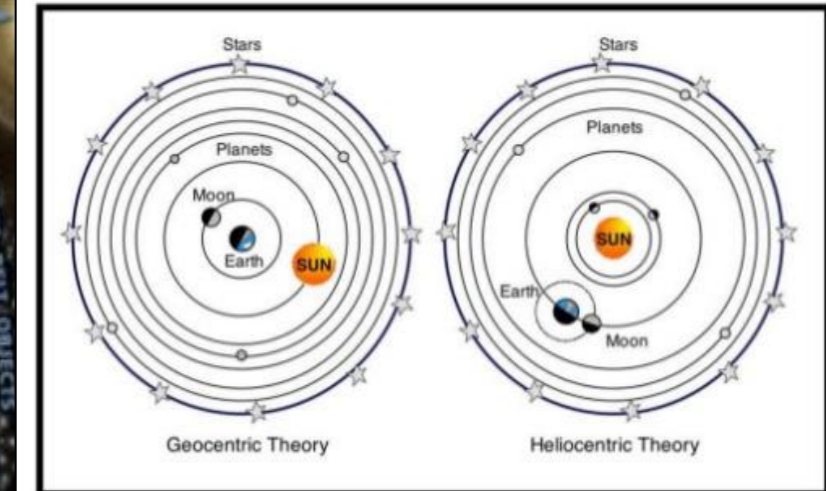


Ships have circumnavigated (gone all the way around) the world. If the Earth were flat then they would have reached its edge eventually. The picture shows the journey around the world that Magellan and Elcano took between 1519 and 1522.

WALT: Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.




WALT: Describe the movement of the Earth, and other planets with reference to scientific ideas and evidence., and other planets, relative to the Sun in the solar system.



WALT: explain day and night and the apparent movement of the sun across the sky.

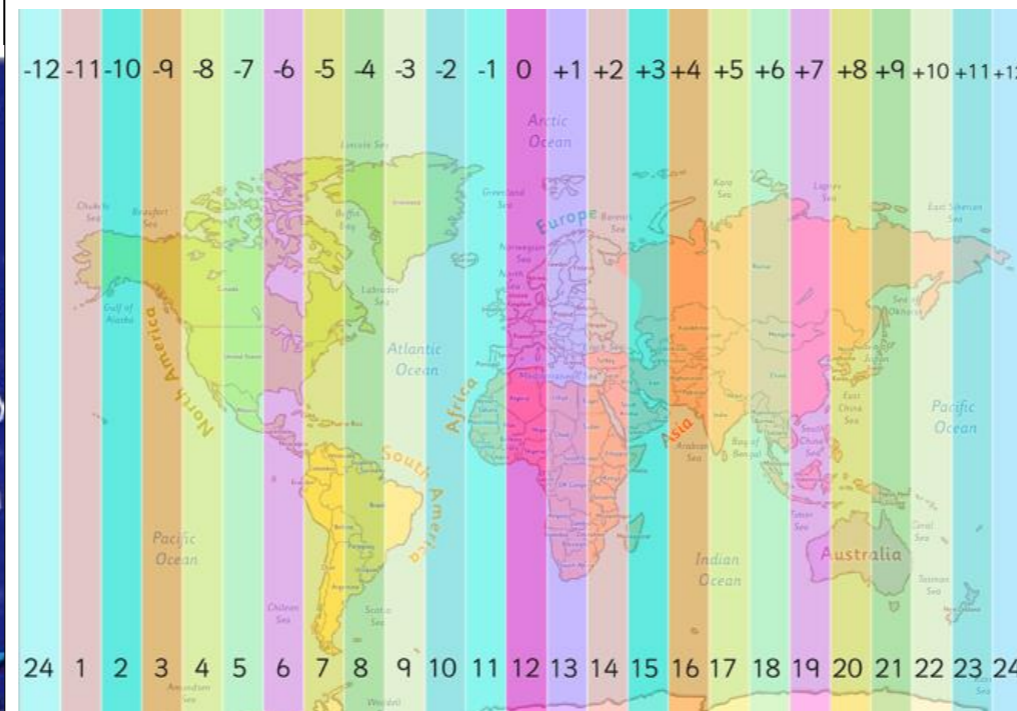
The Earth rotates on its axis once every 24 hours. This just means it turns round and round on an imaginary rod. Because of this, the Sun shines on different parts of the Earth during the day.



This is why it looks as though the Sun moves across the sky during the day. In fact, it is the Earth that is moving.

Think of it as being like when you are on a moving train. If you look outside the window, it looks as though the houses and trees are whizzing past when in fact it is you who is moving.

WALT: investigate night and day in different parts of the Earth.



WALT: Describe the movement of the Moon relative to the Earth by explaining how the Moon orbits the Earth.

