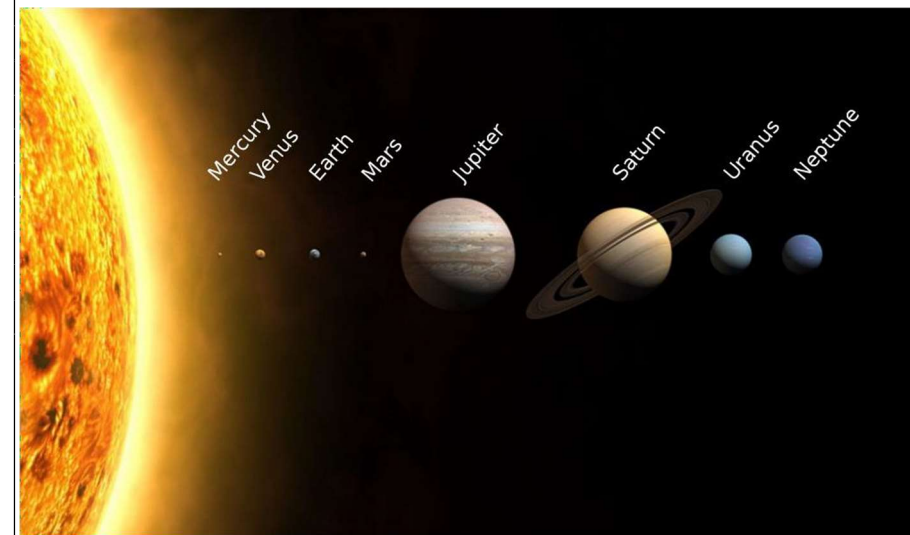


The Solar System – Mexican Vultures Enjoy Munching Jelly Squashed Under Nachos

|            |  |
|------------|--|
| Astronaut  | a person who is trained to travel in a spacecraft.   |
| Cosmonaut  | a Russian astronaut.   |
| Taikonaut  | a Chinese astronaut.   |
| Moon       | the natural satellite of Earth, usually visible at night by reflecting light from the sun. |
| Satellite  | an object in orbit round Earth, a moon or another planet.                                  |
| Space race | the race taken between different countries to get into space.                              |
| Orbit      | a regular, repeating path that an object in space takes around another one.                |
| Sun        | the star that earth orbits.  |
| Axis       | an imaginary line that a body rotates  |
| Lunar      | originating from the Latin – <i>luna</i> – meaning moon.                                   |



- The Earth has only one Moon.
- Our moon is the fifth largest moon in the Solar System.
- Both sides of the moon receive the same amount of light from the sun.
- The large rocks in space are called asteroids, smaller rocks in space are called meteorites.
- The first animal in space was a monkey called Albert II on the 14<sup>th</sup> June 1949.
- The first animal to make a complete orbit of the Earth was Laika, a Russian dog, on November 3<sup>rd</sup> 1957.



Famous Cosmonauts

**Yuri Gagarin**

- Yuri was the first man in space.
- Just before his space craft took off he said, "Here we go".
- He orbited the Earth once on 12<sup>th</sup> April 1961.
- His space craft was called Vostok 1.



**Valentina Tereskova**

- Valentina was the first woman in space.
- She was Russian.
- She orbited the Earth on 16<sup>th</sup> June 1963.
- Her space craft was called Vostok 6.



Famous Taikonaut

**Yang Lewei**

- Yang was the first person from China to go into space.
- He flew on October 15<sup>th</sup>, 2003 aboard the Shenzhou 5 spacecraft.
- As he started his eighth orbit of the Earth he said, "I feel very good, don't worry".

Famous Astronauts

**Alan Shepard**

- Alexey was the first American in space.
- He did this on 6<sup>th</sup> May 1961.
- His space craft was called Freedom 7.
- He landed in the Ocean.

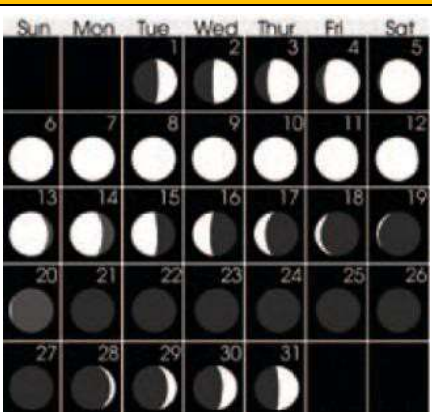


**Neil Armstrong and Buzz Aldrin**

- These Americans were the first people to walk on the moon.
- They landed on July 20<sup>th</sup>, 1969, at 20:18
- Neil said, "One small step for man, one giant leap for mankind".



Phases of the moon



Moon Orbit



The moon orbits the earth.

It takes 28 days for the moon to complete one orbit of Earth.

During the orbit, the moon completes one rotation.

The same side of the moon face Earth all the way around the orbit!

The side of the moon we never see from Earth is called 'the dark side' even though it does get light from the sun.

Day and night



**WARNING!**  
It is *never* safe to look directly at the sun, even when wearing sunglasses!

Earth completes one rotation on its axis in 24 hours.

As Earth rotates away from the sun, it becomes night time, and the sky gets darker.

At night, we are in Earth's shadow!

Quiz

**Question 1**

How long does it take for Earth to complete one rotation on its axis?

- a) 12 hours
- b) 24 hours
- c) 24 days
- d) 12 days

**Question 2**

What name is given to a Russian astronaut?

- a) Astronaut
- b) Taikonaut
- c) Cosmonaut
- d) Ultraviolet

**Question 3**

Who was the first person from China to go to space?

- a) Yuri Gagarin
- b) Valentina Tereskova
- c) Alan Shepard
- d) Yang Lewei

**Question 4**

What is the name of the planet that is 5<sup>th</sup> from the Sun?

- a) Earth
- b) Neptune
- c) Saturn
- d) Jupiter

**Question 5**

Who said "It's one small step for man, one giant leap for mankind"?

- a) Alan Shepard
- b) Yang Lewei
- c) Neil Armstrong
- d) Buzz Aldrin

**Question 6**

How many days does it take for the moon to orbit the Earth?

- a) 24
- b) 42
- c) 28
- d) 12