

SUN

MERCURY

VENUS

EARTH

MARS

JUPITER

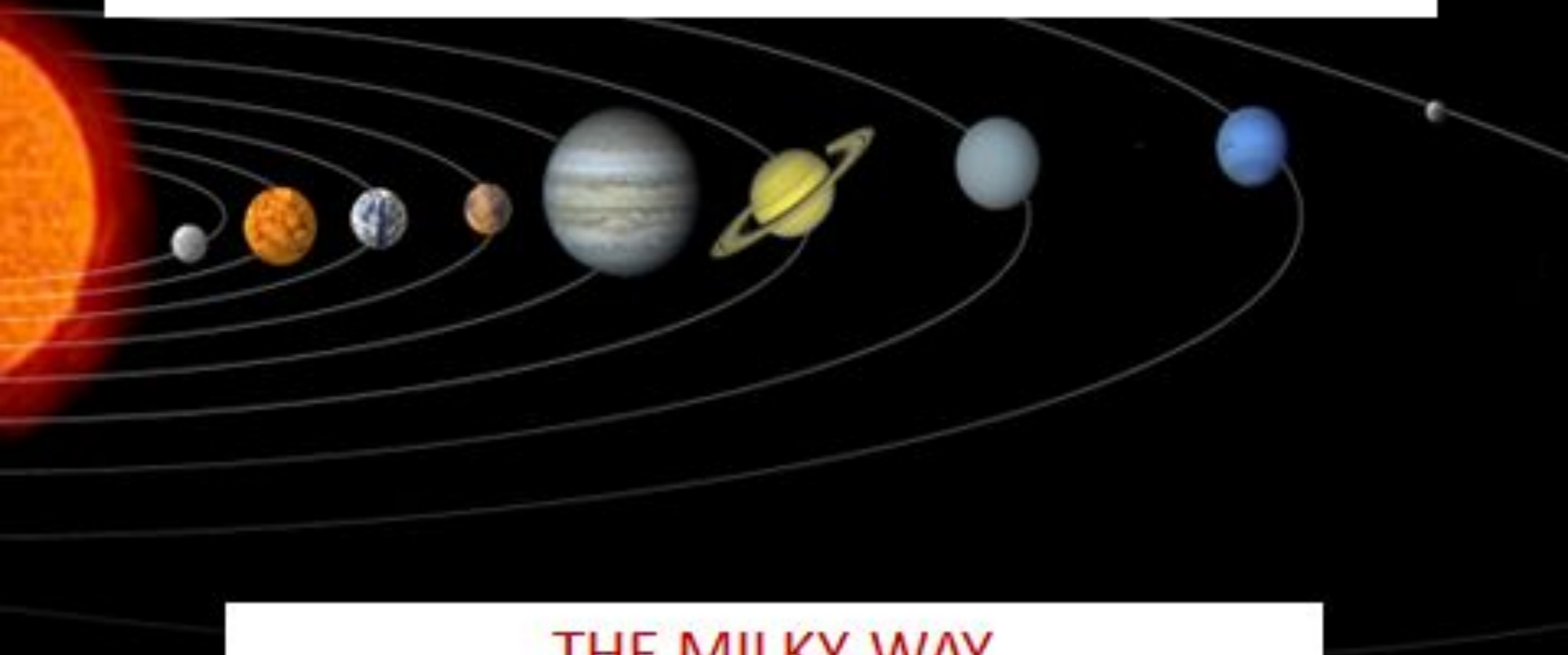
SATURN

URANUS

NEPTUNE

PLUTO

# OUR SOLAR SYSTEM



THE MILKY WAY

- 1.It is a huge group of stars and planets.**
- 2.It is a space and everything that exist in it.**
- 3.It is a place far above the Earth where there is no air.**
- 4.It is a rocket or other vehicle that can travel in space.**
- 5.It is a large, round object that goes round a star.**
- 6.It is the Sun together with the planets going round it.**

**1. Who was the first man to fly into space?**

**2. Who was the first woman to fly into space?**

**3. Who was the first astronaut to walk on the Moon?**

**4. How many planets are there in the Solar System?**

- **Uranus**
- **Jupiter**
- **Venus**
- **Neptune**
- **Earth**
- **Saturn**
- **Mars**
- **Mercury**

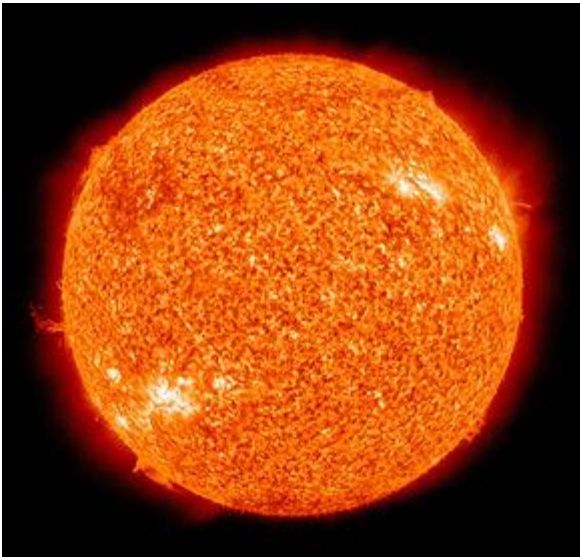
# What is Solar System

- The Sun, its planets and all the objects moving around them are called the Solar System.
- The Solar System is entirely dependent on the Sun which has its own light.
- Rest of the planets reflect the light received from the Sun

# Sun –Star of the Solar System

- It is the source of all energy for life on the Earth.
- About three quarters of the its mass consists of hydrogen, while the rest is mostly helium.
- On its surface ,there are dark patches known as sunspots. These are patches of gas that looks dark since they are cooler than their surroundings.

# Sun –Star of the Solar System



- It 's the heaviest among solar system
- It is a ball of hot burning gases.
- It is the nearest star to the earth.
- The light from the Sun takes appx. 8 minutes to reach the Earth.

# Earth –The Blue Planet

- It orbits the Sun once in about 365 days.
- It rotates about its own axis, thus creating day & night. It takes 24 hours to do that.
- It revolves around sun, due to its tilt ,seasons are created.
- The Moon is the only satellite of it.



# Earth –The Blue Planet



- It is also known as watery planet, because 70% of its surface is covered by water.
- The earth's atmosphere scatters the light & creates a blue effect, so it is also called Blue Planet..
- The only planet having life .

# Mercury –The Innermost Planet

- It is the smallest.
- It does not have any satellite.
- There is no water or atmosphere.
- It can be seen with naked eyes.
- It orbits the Sun once in about 88 days
- There are no seasons on its surface

# Mercury –The Innermost Planet



- It is named after messenger of the Roman gods
- It is the closest planet to the Sun
- Large variations in day (400 degree C) & night (-180 degree C) time temperatures.

# Venus –The Veiled Planet



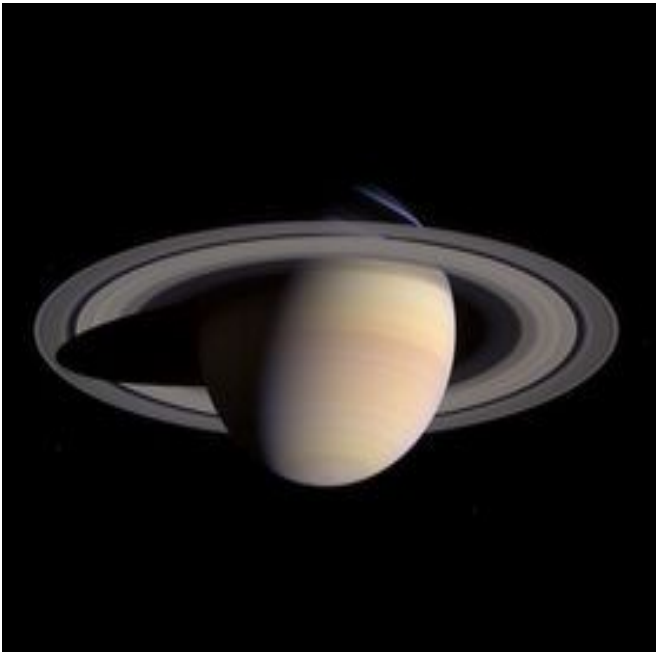
- It is also known as the Morning Star or Evening Star.
- It is the brightest & hottest planet.
- It is named after Roman goddess of love & beauty .

# Moon –The Earth’s Only Satellite



- Its diameter is only  $1/4^{\text{th}}$  of the Earth
- It looks bigger as it is very close to us.
- There is no water on its surface.
- Its gravity is  $1/6^{\text{th}}$  of Earth, so your weight would be  $1/6^{\text{th}}$  of your weight on the earth.

# Saturn –The Jewel Planet



- It is the sixth planet from the Sun and the second largest planet in the Solar System, after Jupiter.
- It is named after the Roman god Saturn
- It is classified as a gas giant planet

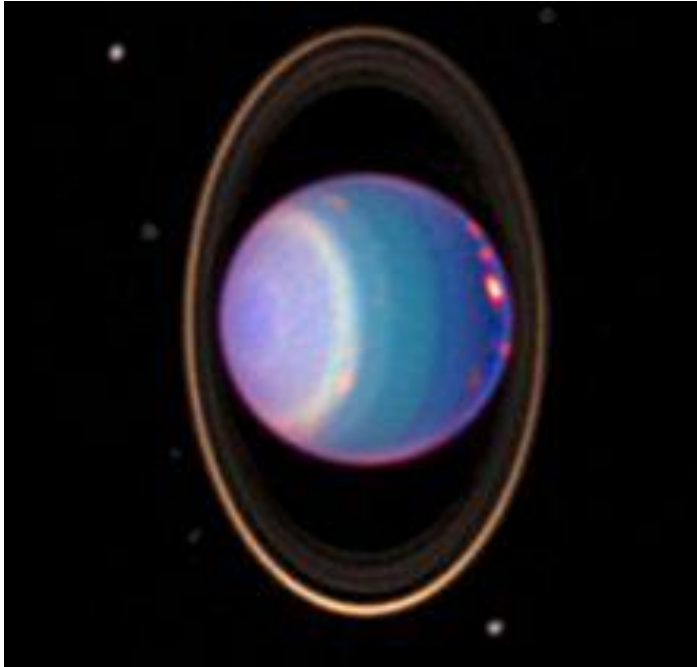
It is the most beautiful planet in solar system because of its spectacular rings

# Mars –The Red Planet



- It is named after the Roman god of war.
- It is often described as the "Red Planet", as the iron oxide prevalent on its surface gives it a reddish appearance

# Uranus –A planet on its *Side*



- It appears to lie on its side.
- It is named after the Roman god of the sky.
- It has 27 known satellites
- It is a very cold planet.

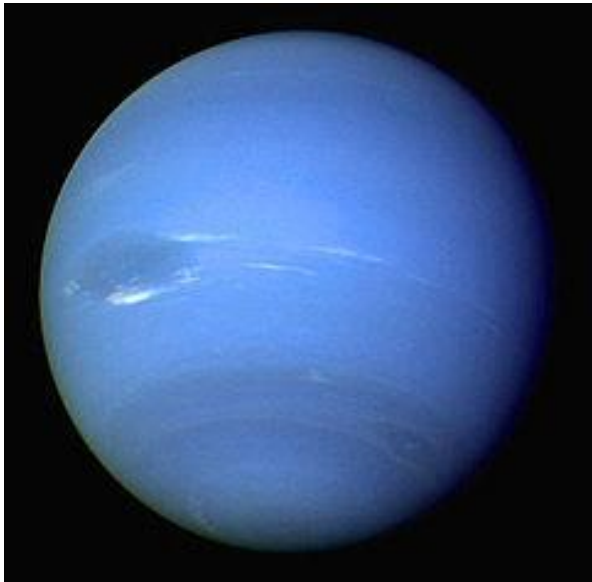


# Jupiter –The **Giant** Planet



- It is named after the ruler of Roman gods.
- It is the largest planet within the Solar System
- It has a great Red Spot, the rotating storm system inside the planet.

# Neptune –The Last Giant



- The most distant gas planet.
- It is named after the Roman god of sea .
- The most windy planet.

**1. Which is the lightest among all?**

**Mars**

**Saturn**

**Moon**

**Neptune**

**2. Red Planet -It is other name of which planet?**

**Mars**

**Saturn**

**Uranus**

**Neptune**

**3. Which planet is known as Vacuum Cleaner?**

**Mars**

**Moon**

**Saturn**

**Jupiter**

**4. If your weight on earth is 42 kg, what would be your weight on moon?**

**42**

**84**

**52**

**7**

- 
- **5. Which planet is known as Red Planet?**
- Mars
- Venus
- Moon
- Saturn
- **6. Saturn Rings are made of what material?**
- Chocolates
- Stars
- Rocks & Ice
- Broken Stones
- **7. Which one is Coldest Planet among all?**
- Jupiter
- Moon
- Mars
- Neptune
- **8. Which planet is known as the morning & evening star?**
- Mars
- Moon
- Venus
- Saturn



**1. Green house Effect helps us in**  
Keeping temperature of earth balanced  
Growing vegetables  
Making planet green  
Ozone layer protection

**2. Ozone layer helps us by protecting us from**  
Germs  
Aliens  
Breathing  
Harmful UV rays of Sun

**3. Ice of glaciers would start melting & there would be more floods if temperature of Globe**  
Goes Up  
Goes Down  
Remains stable  
None of these

**4. Which one of following is not a green-house gas?**  
Carbon-dioxide  
Oxygen  
Methane  
Nitrous-oxide

**5. Trees are important to avoid Global Warming ,because they absorb**

Oxygen

Carbon-dioxide

Water

Sun-light

**6. Green house gases help in maintaining Earth's**

Water level

Temperature level

Green level

Smoke level

**7. Temperature of planet Earth would go up, if amount of green-house gases**

Increases

Remains equal

Decreases

None of these