

May 19, 2020

1) Planets and Constellations

Warm-up:

How many times bigger is the Earth than the Moon?

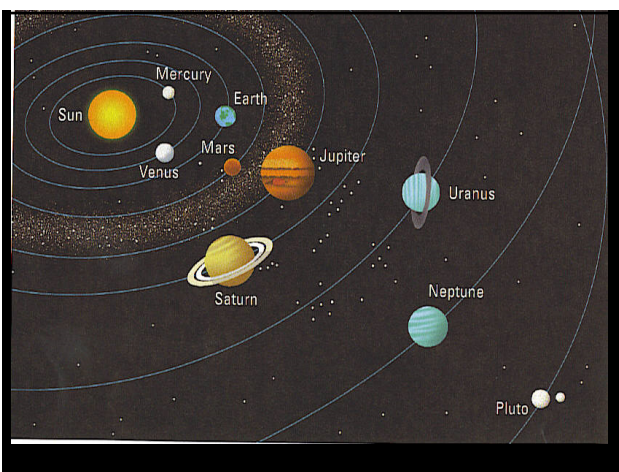
How many times bigger is the Sun than the Moon?

4 times
400 times

What can we see in the sky?

Firstly, the universe is everything that exists, including all matter and energy everywhere. The study of what is beyond the Earth is called astronomy.

Our solar system consists of the sun and everything that travels around it. Planets and moons do not emit their own light. They are nonluminous.



Ways to Remember the Planets

- My Very Easy Memory Jingle Seems Useful Naming Planets.
- My Very Educated Mother Just Showed Us Nine Planets
- My Very Earnest Mother Just Served Us Nine Pizzas.
- Many Very Earnest Men Just Snubbed Unfortunate Ninth planet.
- Many Very Educated Men Judge Sphere Unworthy Now.

The 4 closest planets to the sun are Mercury, Venus, Earth and Mars. They all have many common characteristics. They are called the terrestrial planets or inner planets. They are made of rock and metal.

The 4 other planets (Jupiter, Saturn, Uranus and Neptune) are far away in space. They are called the outer planets. We can also call them the gas giants, because they are made up of mostly hydrogen and helium and they are big.

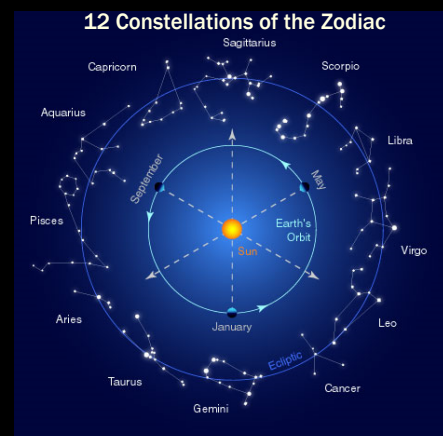
Earth

Home Sweet Home

- conditions suited for life
- atmosphere contains mostly nitrogen, oxygen and water vapour
- water covers 70% of the Earth
- Earth is solid rock covered by soil and vegetation
- Active volcanoes and earthquakes change the face of the planet

A star is matter that emits huge amounts of energy. A planet is matter that revolves around a star.

Stars can take the form of Gods, animals, etc. Groups of stars that seem to form shapes or patterns are called constellations. These stars are far from one another. Constellations have been used as calendars, direction finders, etc.



Sign Symbol Dates

Aries Ram March 21 - April 19
Taurus Bull April 20 - May 20
Gemini Twins May 21 - June 20
Cancer Crab June 21 - July 22
Leo Lion July 23 - August 22
Virgo Virgin August 23 - September 22
Libra Balance September 23 - October 22
Scorpio Scorpion October 23 - November 21
Sagittarius Archer November 22-December 21
Capricorn Goat December 22 - January 19
Aquarius Water Bearer January 20-February 18
Pisces Fish February 19 - March 20

Constellations

Andromeda	Ursa Major
Aries	Bootes
Cassiopeia	Canes Venatici
Orion	Coma Berenices
Perseus	Corona Borealis
Pisces	Draco
Taurus	Hercules
Triangulum	Serpens
Auriga	Ursa Minor
Camelopardalis	Aquila
Cancer	Cepheus
Canis Minor	Cygnus
Gemini	Delphinus
Leo	Equuleus
Leo Minor	Lacerta
Lyra	Lyra
Monoceros	Pegasus
	Sagitta
	Vulpecula

Constellation Assignment

Choose 5 constellations from the list to complete the following points. You can choose any format you have access to present this work:

1. Constellation Name
 2. Picture of the constellation
 3. When is it visible? (season, which hemisphere, etc.)
 4. Myth/story or origins behind the constellation:
Write a short paragraph explaining the story behind the constellation.
 5. Try to get outside and find some of these constellations. Write about which ones you discover. What is your favourite? Mine are Orion and Cassiopeia!
- Note: some "stars" you see are actually planets-Which planet is the brightest?

Attachments

Uranus student response(4).avi

student response no tilt.avi