

SOLAR SYSTEM PRESENTATION

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Stars and our Sun

Definition of a star: A fixed luminous point in the night sky.



Stars are classified by their temperatures and you classify them by letters O, B, A, F, G, K, and M. The letters stand for different temperatures. You can remember it by saying “Oh be a fine girl kiss me”. They are also classified by colors shown in the chart below.



Class	Spectrum	Colour	Temperature
O	ionized and neutral helium, weakened hydrogen	bluish	above 31,000 K
B	neutral helium, stronger hydrogen	blue-white	9750-31,000 K
A	strong hydrogen, ionized metals	white	7100-9750 K
F	weaker hydrogen, ionized metals	yellowish white	5950-7100 K
G	still weaker hydrogen, ionized and neutral metals	yellowish	5250-5950 K
K	weak hydrogen, neutral metals	orange	3800-5250 K
M	little or no hydrogen, neutral metals, molecules	reddish	2200-3800 K



Green=dwarf planet

Red=planet

Planets from Order to the Sun

Mercury is 57,909,227 miles from the sun. It is a planet

Venus is 108,209,475 miles from the sun. It is a planet

Earth is 149,598,262 miles from the sun. It is a planet

Mars is 227,943,824 miles from the sun. It is a planet

Ceres is 413,700,000 miles from the sun. It is a dwarf planet

Jup. Iter is 778,340,841 miles from the sun. It is a planet

Saturn is 1,426,666,422 miles from the sun. It is a planet

Uranus is 2,870,658,186 miles from the sun. It is a planet

Neptune is 4,498,396,441 miles from the sun. It is a planet

Pluto is 5,874,000,000 miles from the sun. It is a dwarf planet

Haumea is 6,452,000,000 miles from the sun. It is a dwarf planet

Makemake is 6,850,000,000 miles from the sun. It is a dwarf planet

Eris is 10,120,000,000 miles from the sun. It is a dwarf planet

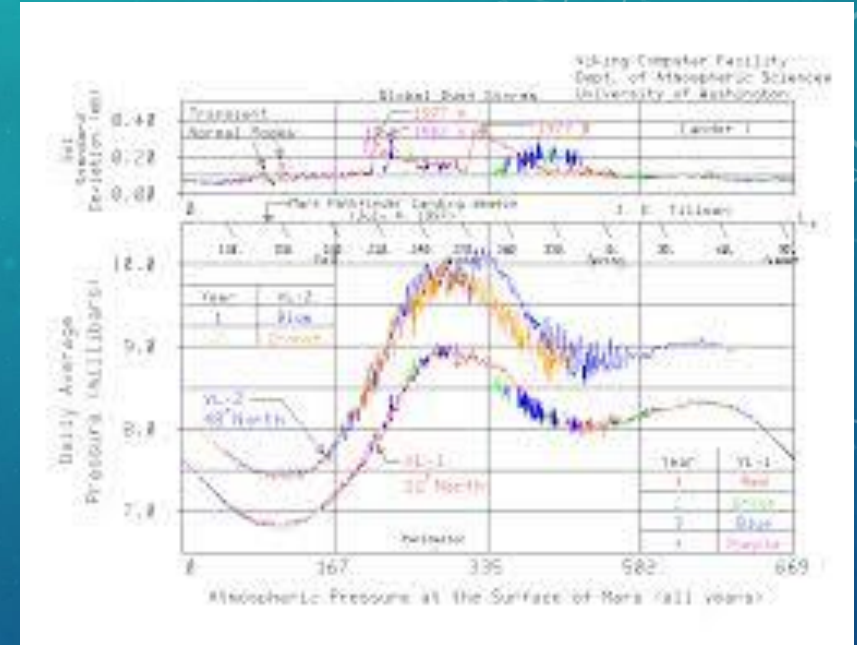
A constellation is a group of stars that create a picture in the night sky. An example of a constellation is Ursa major, Ursa minor, Orion, and Taurus.

ORION

ORION
NEBULA



My Inner Planet is Mars the Bringer of War



MARS FACTS

- ❖ Mars is home to the biggest mountain in the universe and it is “Olympus Mons”. It is a volcano
- ❖ Mars is 227,943,824 km. away from the sun
- ❖ Mars has the biggest storms in the solar system
- ❖ Mars has the biggest dust storms in the solar system
 - ❖ Chunks of mars have fallen to earth
- ❖ Mars gets it’s name from the Roman god of war

Diameter:4,212 miles

Miles away from sun:

141,600,000 miles

Temperature: 70 C through -100 C

Content of atmosphere:

mainly carbon dioxide

Uranus facts

- ❖ Uranus is 2,870,658,186 miles from the sun
- ❖ Uranus takes 84 earth days to orbit the sun
- ❖ Uranus is called the ice giant
- ❖ Uranus is the coldest planet in the solar system
- ❖ Only one spaceship flew by Uranus
- ❖ Uranus is the seventh planet from the sun
- ❖ Uranus is the second coldest planet

Miles from sun: 1778 million miles away

Diameter: 32,200 miles

Temperature average: -224 C

Atmosphere content: mostly ice

My Outer Planet is Uranus



Compare and Contrast

My inner planet is different from my outer planet because it is warmer way warmer on an inner planet because it is closer to the sun. My inner planet which is Mars is the 4th closest planet to the sun. My outer planet which is Uranus is the 8th closest planet to the sun. Also their atmosphere's are different. Mar's atmosphere is made of carbon dioxide and Uranus's is made of ice.

So in conclusion inner planets and outer planets are different in many ways.

Compare and Contrast Comets and Meteors



Picture description:
meteor shower



Picture description:
comet

Meteors

Both

Comets

- ❖ If hit earth it is a meteorite
- ❖ A shooting star is a meteor flying into earth's atmosphere
- ❖ When a lot of meteors fall at the same period it is known as a meteor shower

- ❖ Comes from space
- ❖ They are both rocks flying through space

- ❖ It comes from the outer solar system
- ❖ It has a tail and a coma that often follows it
- ❖ It is a small solar system body
- ❖ It is made from ice, rock, and dust

Difference Between a Meteor, Meteorite, and Meteoroid

A meteorite is a meteoroid that has touched the earth's surface.

Mark twain was born and died the same years the Halley comet flew by the earth.

A meteor is a flash of light that we see in the night sky when a chunk of space debris burns up.

A meteoroid is a piece of rock, gas, or ice floating through space and can become a meteor if passes through the earth's atmosphere.



Picture description:
meteoroid



picture description: meteor
shower



Picture description:
meteorite

Gravity

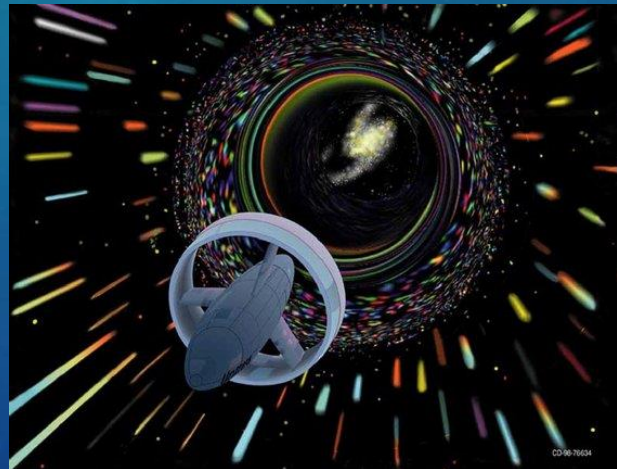
**what goes
up must
come down**

Gravity is a force that when something that has mass is thrown in the air gravity will pull it back down to earth and that goes to Isaac Newton's favorite saying "what goes up must come down". Isaac Newton's law of gravity was thought to be inspired by an apple falling on his head. Mars has very low gravity that a person who weighs 200 pounds on earth weighs only 76 pounds on Mars. Gravity keeps earth and all the other planets in orbit around the sun. Gravity is when two objects are pulling against each other. Gravity impacts humans because gravity keeps us on the earth if we had no gravity we would float instead of walk.

Technology

Technology in space is getting more and more advanced over the years. Just look at this rocket that would not be possible 100 years ago and 100 years from now it will be more advanced than ever and eventually we will be able to travel to a different universe. Maybe even a different time and place in the world.

A couple examples of technology are rockets, satellites, and rovers. Rockets benefit humans because we are very curious creatures and we would like to study space and rockets can get us up in space so we can study it better. If you know what a satellite dish is you know what a satellite is. A satellite is an artificial body it is a drone that is in space and it collects information on planets and the universe. It also takes pictures of the universe and planets.



WORKS CITED

The atmosphere and beyond

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