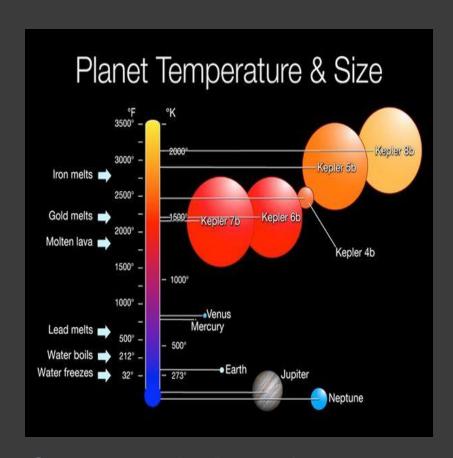


#### What You Will Learn



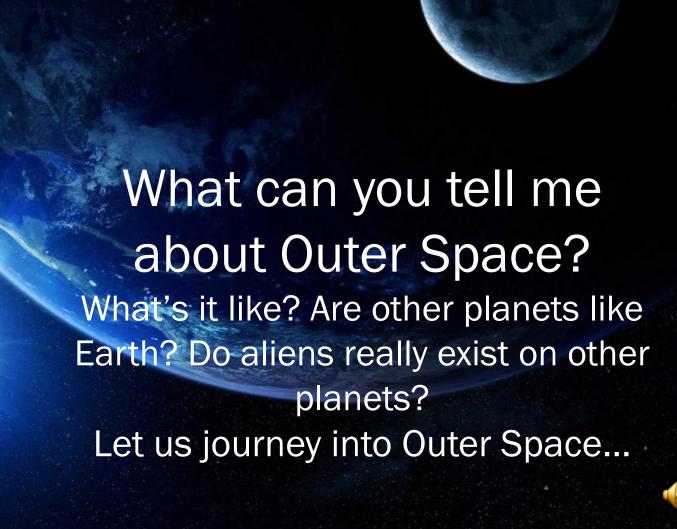
Sizes of planets in accordance with one another



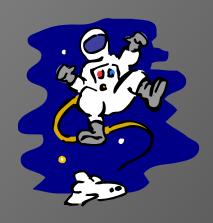
**Characteristics of the planets in the Milky Way** 

### Before Our Journey, Know these Terms...

- Galaxy- a large system of stars held together by mutual gravitation and isolated from similar systems by vast regions of space.
- Light Year- unit by which intergalactic distances are measured. (A light year is 5,865,696,000,000 miles.)
- Planet-Also called major planet; any of the eight large heavenly bodies revolving about the sun and shining by reflected light
- Dwarf Planet -a spherical body revolving about the sun, similar to a planet but not large enough to gravitationally clear its orbital region of most or all other celestial bodies.

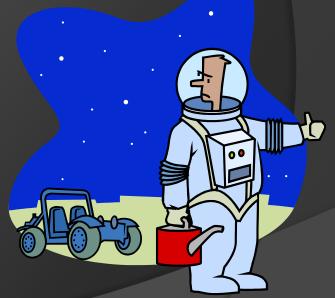






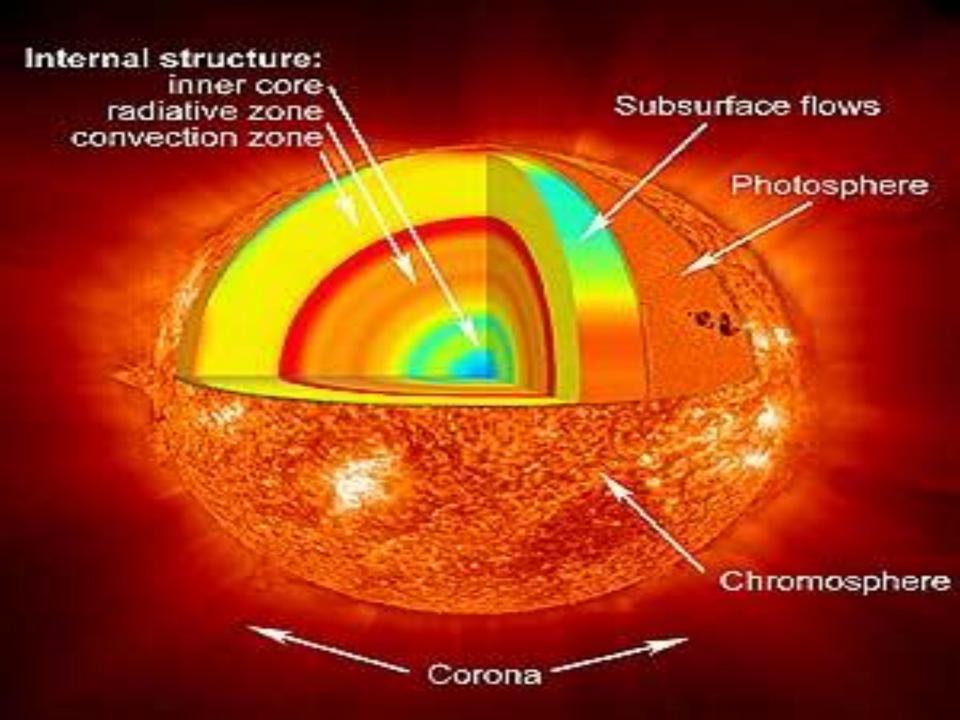
Attention explorers, our first stop is not a planet, but an ever important star, especially for us. It is....

#### THE SUN



### Our First Stop: The Sun

- The largest star in the Milky Way.
- •The diameter of the Sun is 870,000 miles.
- •The Sun's distance from the Earth is 93 million miles.
- •The Sun's core is composed of hot & dense gasses. It has a temperature of 27 million degrees F.



#### **Our Next Stop: Mercury**

- The 8th largest star in the Solar System
- The diameter of Planet Mercury is 4,878 km
- Mercury's minimum distance from Earth is 48 million miles.

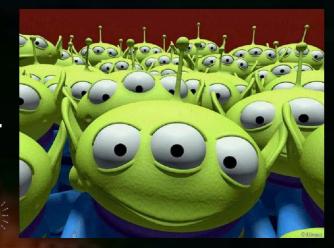
### Our 3<sup>rd</sup> Stop: Venus

- The sixth largest planet in the Solar System
- Similar in size, density, and mass= Venus and Earth.
- Maximum distance of Venus from the Sun is 68 million miles.
- Minimum distance of Venus from the Earth is 25 million miles.

### 4th Stop: Earth, Planet Home

- The 5<sup>th</sup> largest planet in the Solar System.
- Earth's distance from the Sun- Min.91million miles
- Max. 94.5 million miles.
- The Diameter of the Earth is7,926 miles.

# 5<sup>th</sup> Stop: Mars The Red Planet



- Is it the 7<sup>th</sup> largest planet in the Solar System.
- Mars maximum distance from the Sun
   = 155 million miles.
- Mars is 35 million miles from Earth

### 6<sup>th</sup> Stop: Jupiter



- Jupiter, the largest planet in our solar system.
- Jupiter's maximum distance from the Sun = 508 million miles.
- Jupiter's minimum distance from Earth = 365 million miles.

### 7<sup>th</sup> Stop: Saturn

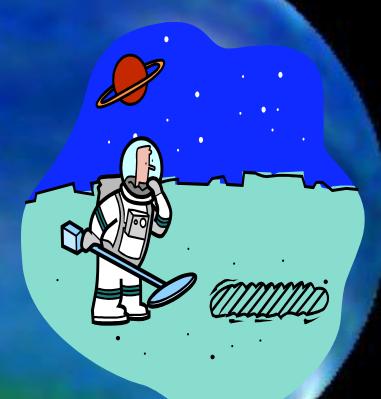
- The second largest planet.
- Saturn's maximum distance from the Sun is 938 million miles.
- Saturn's minimum distance from Earth is 746 million miles.

### 8<sup>th</sup> Stop: Uranus

- Third largest planet in the solar system.
- Uranus maximum distance from the Sun is 1.88 billion miles.
- Uranus minimum distance from the Earth is 1.6 billion miles.

# 9<sup>th</sup> Stop: Neptune, the Windy Planet

- The fourth largest planet in the solar system.
- Neptune's maximum distance from the Sun –
   2.8 billion miles.
- Neptune's minimum distance from Earth –2.7 billion miles.



### 10<sup>th</sup> Stop: Pluto, the little Planet that Wasn't

- Pluto is a dwarf planet in the solar system. It is the smallest.
- Pluto maximum distance from the Sun –
   4.6 billion miles.
- Pluto's minimum distance from Earth –
   2.7 billion miles.

