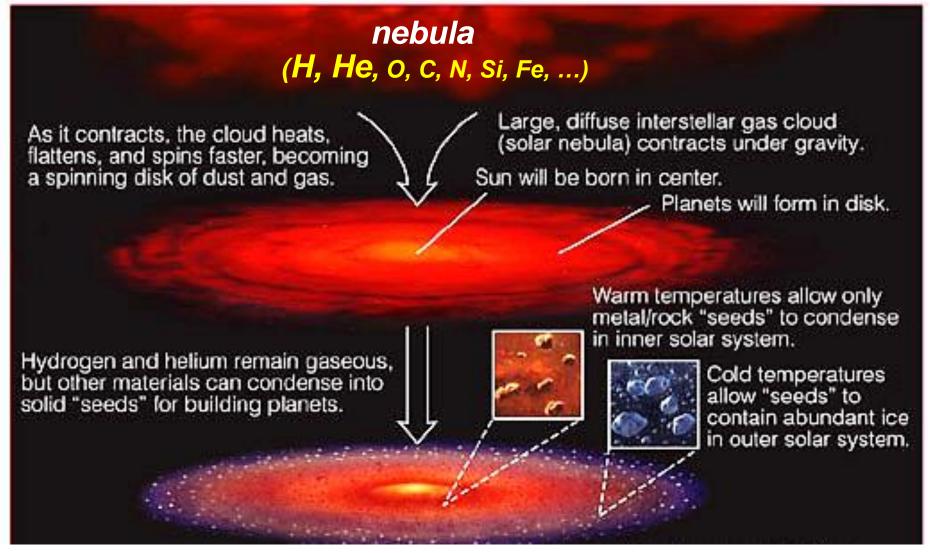


## The Formation of the Solar System

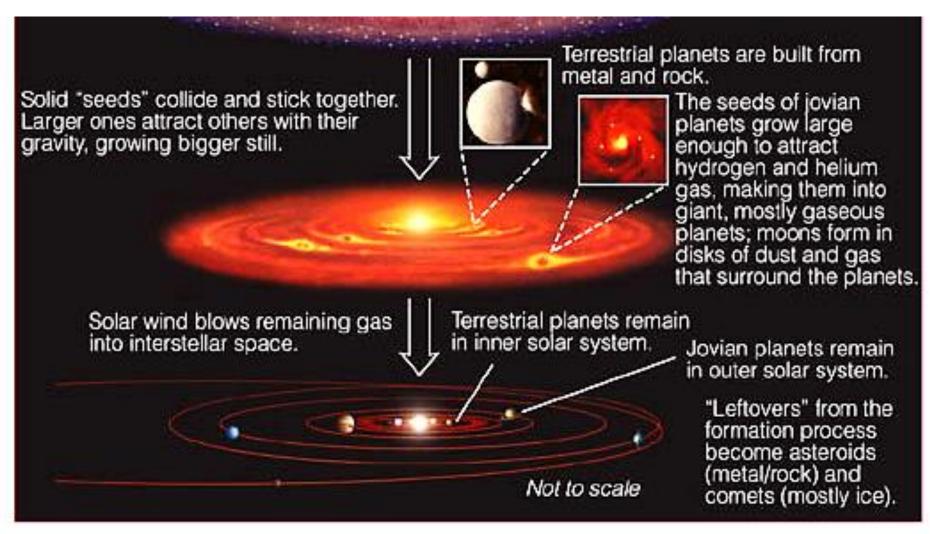
(~4.6 billion years ago)

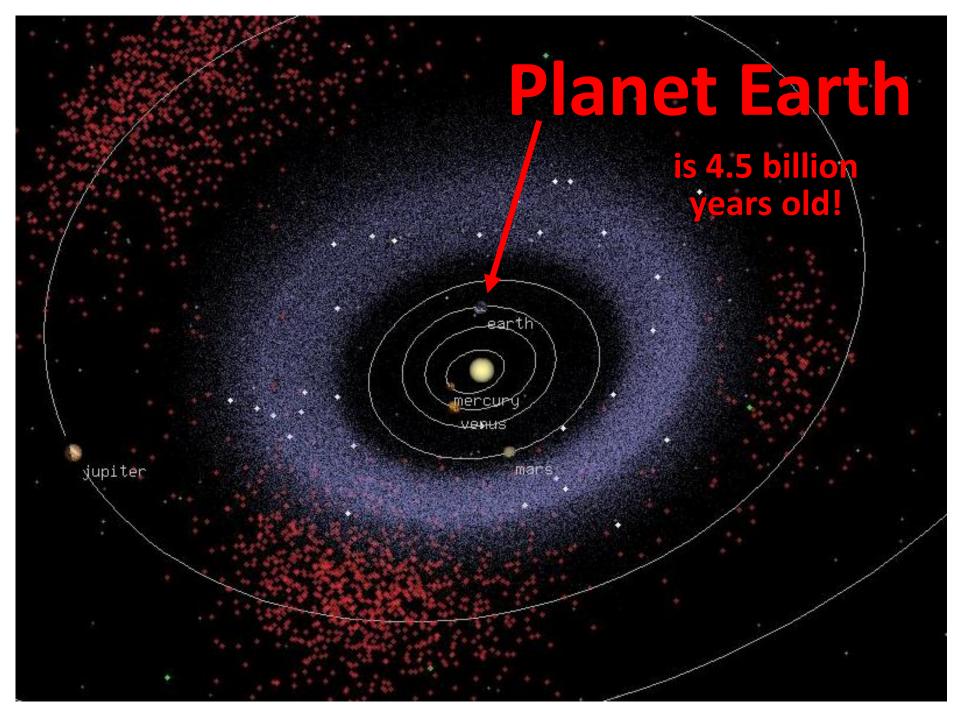
**Nebular Hypothesis** 



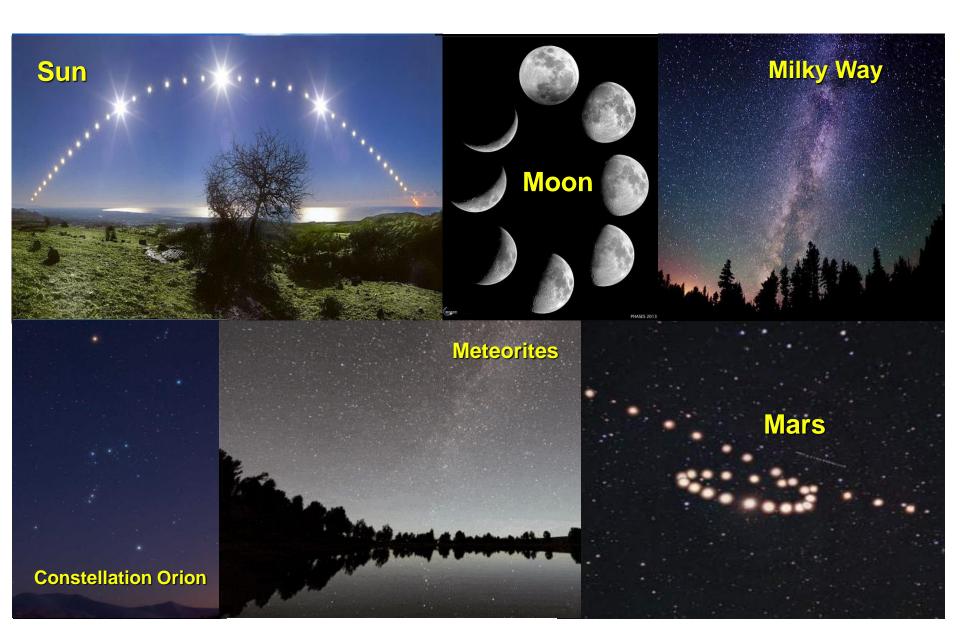
## The Formation of the Solar System

The Sun, planets, moons, comets, asteroids are believed to form within 50-100 million years.





## What do we see from Earth?



## **Earth Facts**

- <u>Earth</u> is a terrestrial (rocky) planet, <u>third</u> from the Sun.
- Earth has a single natural satellite, the Moon.
- Earth has LIFE!



- Of the four terrestrial planets in the Solar System:
  - Earth is the largest both in size and mass.
  - Earth has the <u>highest density</u>, the <u>strongest magnetic</u> <u>field</u>, and the <u>fastest rotation</u>.
  - Earth has the <u>highest surface gravity</u> equal to 9.798 m/s.

Fun Fact: from the Earth's surface, the apparent sizes of the Sun and the Moon are approximately the same!