

SOLAR SYSTEM

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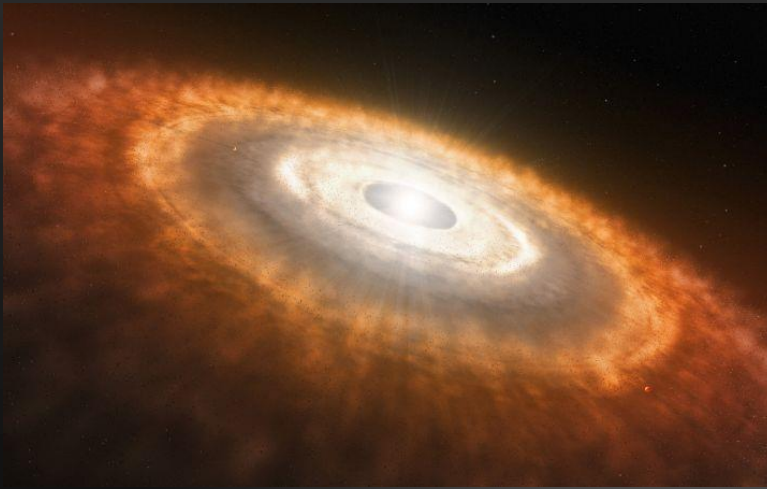


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THE BEGINNING OF OUR SOLAR SYSTEM

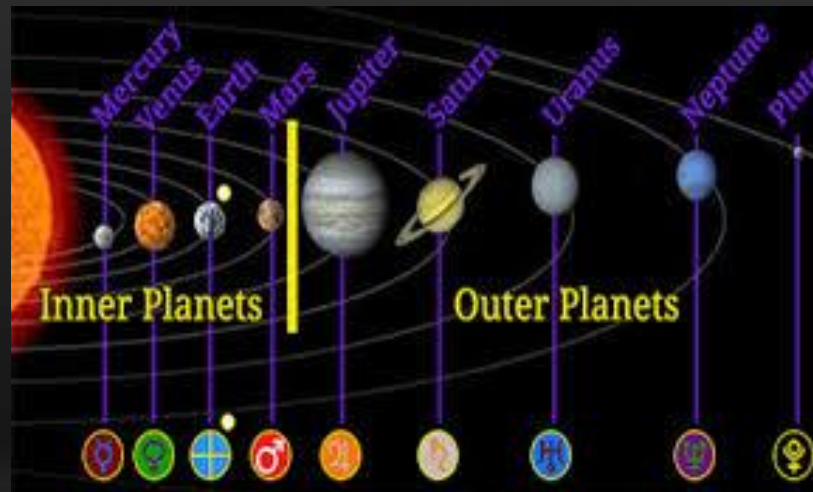
- Rotating cloud of dust and gas
- Gravitation combined the dust and gas
- Created objects become planets and the Sun



INNER SOLAR SYSTEM

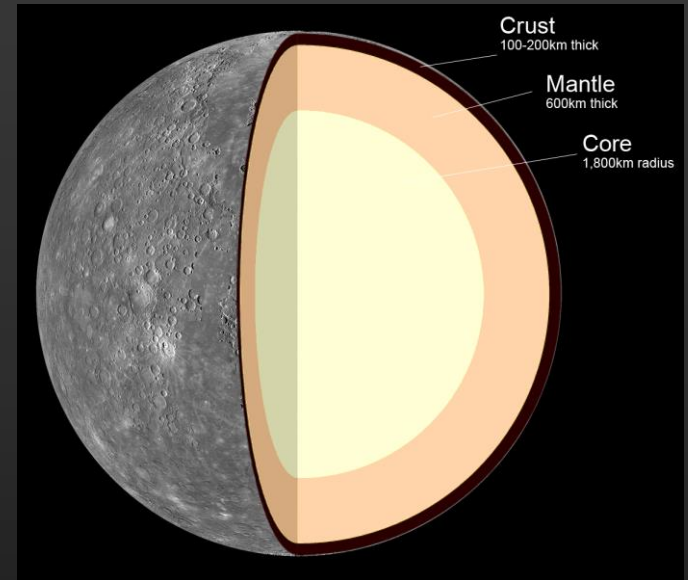
- Definition. “The inner Solar System is the region comprising the terrestrial planets and the asteroid belt,,
- Planets and object in the inner solar system are:

1. Mercury
2. Venus
3. Earth
4. Mars
5. Asteroid belt



MERCURY

- Distance from the sun: 0.4 AU
- Natural satellites: 0
- Weight: 5.5% of the Earth mass
- Ingredients: iron, rocks
- The temperature: 430 to -170°C



VENUS

- Distance from the sun: 0.7 AU
- Natural satellites: 0
- Weight: 81% of the Earth mass
- Ingredients: iron, rocks, CO² and N
- The temperature: 400°C



EARTH

- Distance from the sun: 1 AU
- Natural satellites: 1
- Ingredients: H²O and N
- The temperature: -88 to 55°C



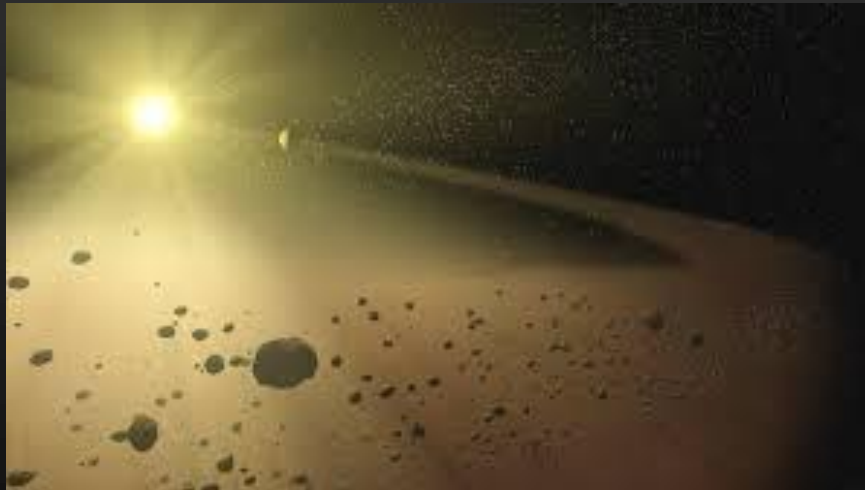
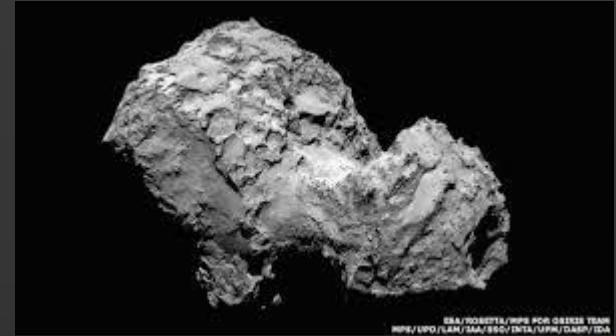
MARS

- Distance from the sun: 1.5 AU
- Natural satellites: 2
- Ingredients: iron oxide (rust)
- Weight: 11% of the Earth mass
- The temperature: -143 to 35 °C



ASTEROID BELT

- Distance from the sun: 2.3 AU
- Ingredients: Metallic mineral, ice and rocks
- Weight: About thousand that of the Earth



OUTER SOLAR SYSTEM

- Mass: 99% of Sun
- Made out of four planets:
- Jupiter
- Saturn
- Uranus
- Neptune



JUPITER

- Distance from the sun: 5.2 AU
- Natural satellites: 67
- Weight: 318 times of the Earth mass
- Ingredients: H and He
- The temperature: $-145\text{ }^{\circ}\text{C}$



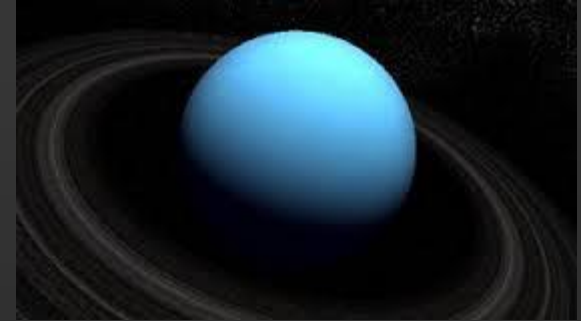
SATURN

- Distance from the sun: 9.5 AU
- Natural satellites: 62
- Weight: 95 times of the Earth masses
- Ingredients: H and He
- The temperature: $-178\text{ }^{\circ}\text{C}$



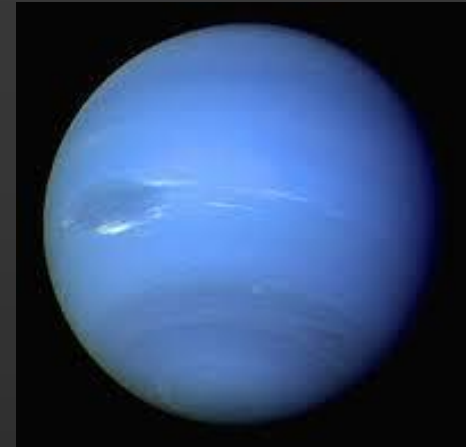
URANUS

- Distance from the sun: 19.2 AU
- Natural satellites: 27
- Weight: 14 times of the Earth masses
- Ingredients: ice
- The temperature: $-153\text{ }^{\circ}\text{C}$



NEPTUNE

- Distance from the sun: 30.1 AU
- Natural satellites: 14
- Weight: 17 times of the Earth masses
- Ingredients: ice, H and He
- The temperature: $-201\text{ }^{\circ}\text{C}$



INTERESTING FACTS

- Sun makes 99.86% of solar system mass
- There are 5 dwarf planets in our solar system (Eris, Pluto, Haumea, Makemake, Ceres)
- All planets in outer solar system have rings
- The Earth is in the suns atmosphere (Corona)
- The largest asteroid crater is on Mercury (1,600km wide)



SOURCES AND LITERATURE

- Youtube
(<https://www.youtube.com/watch?v=1TsfGqt1D00>)
- Wikipedia (https://en.wikipedia.org/wiki/Solar_System)
- www.Space.com