

May 28, 2019

1) The Sun



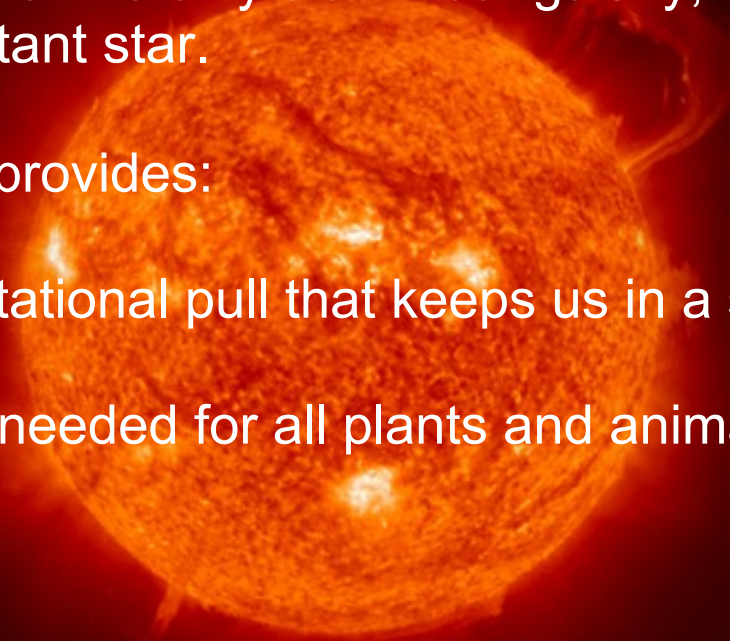
Test Friday on Space Unit

The Sun: An Important Star

The sun is not the only star in our galaxy, but it is the most important star.

Because it provides:

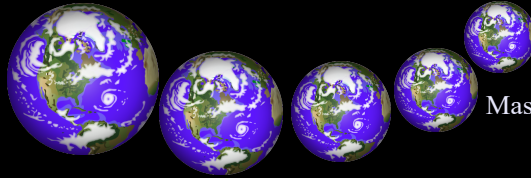
- a gravitational pull that keeps us in a steady orbit
- energy needed for all plants and animals on earth



The Sun

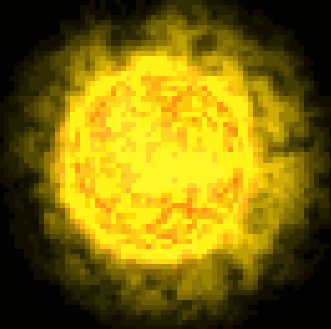
Sun Stats:

Radius: 695,000 km
Age: 4.5 billion years old
92% hydrogen
98% of our universe



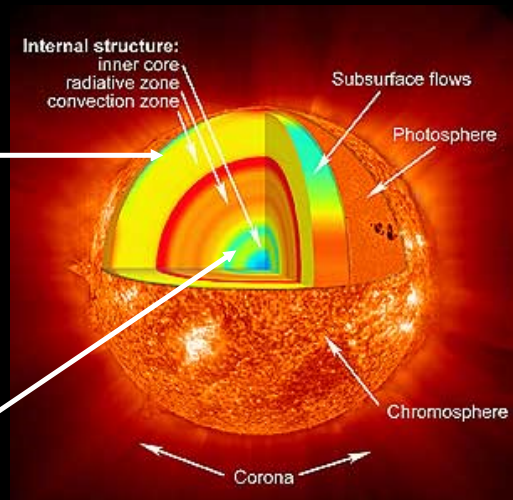
Mass: 5.9736×10^{24} KG

One hundred and nine Earths would be required to fit across the Sun's disk, and its interior could hold over 1.3 million Earths.



The Sun's outer visible layer is called the **photosphere** and has a temperature of $6,000^{\circ}\text{C}$

Solar energy is created deep within the core of the Sun. It is here that the temperature $15,000,000^{\circ}\text{C}$



The **corona** is several million degrees

Solar System 4.6 billion years old



Savage Sun

There is a quiz that follows
the video so pay close
attention while watching!!