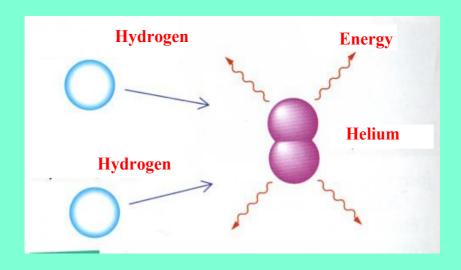
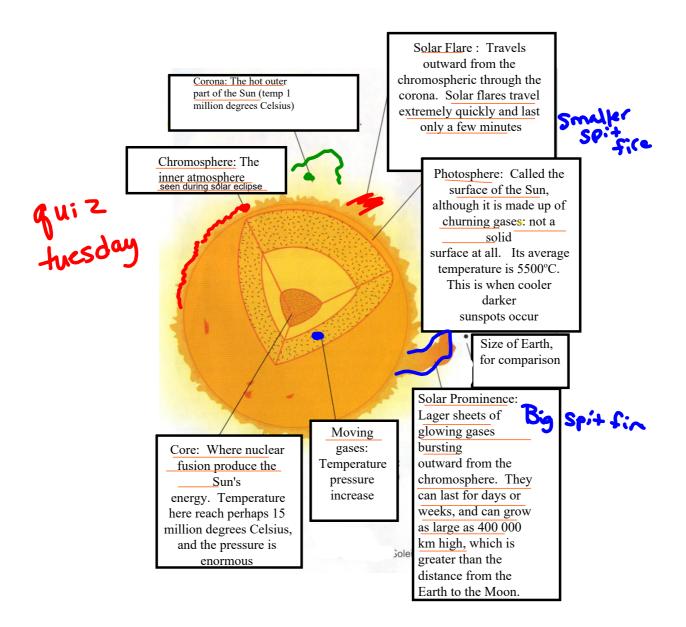
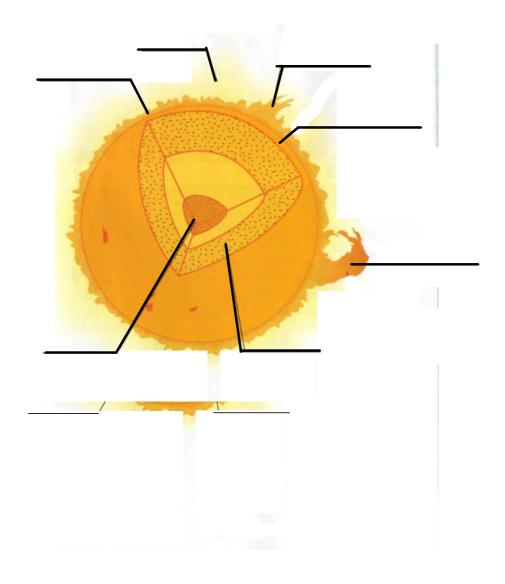
The Sun produces energy by a process called nuclear fusion. In the Sun's core, there is so much pressure and temperature that 2 hydrogen atoms fuse together to form 1 helium atom. This process produces large amounts of energy in the form of heat, light and other forms.



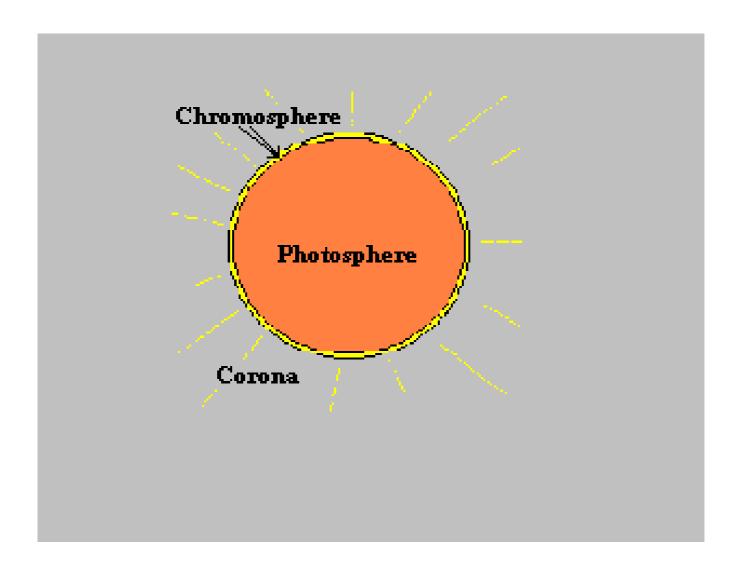


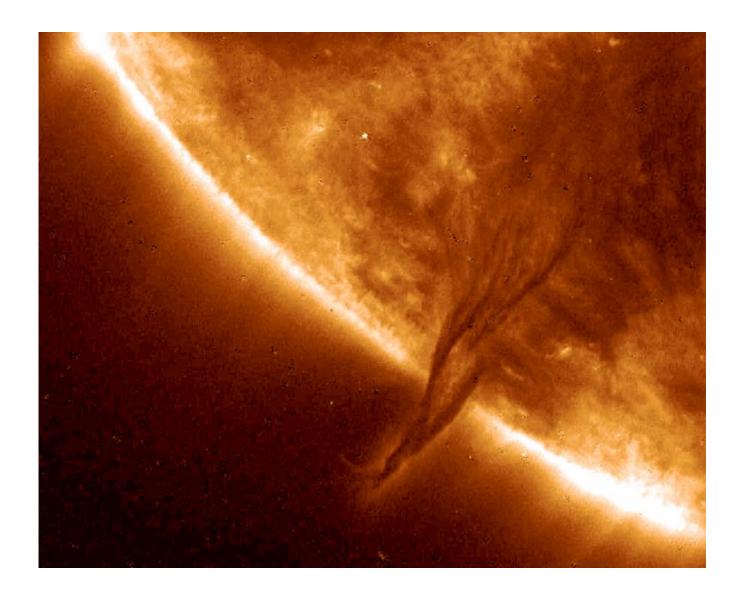


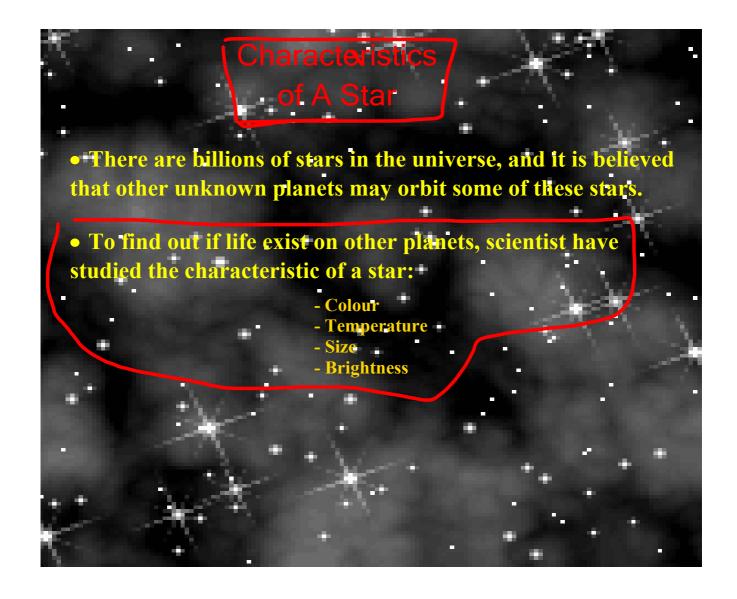


https://www.youtube.com/watch?v=5O-wAYKBBSc

https://www.youtube.com/watch?v=Pz870WqsN78





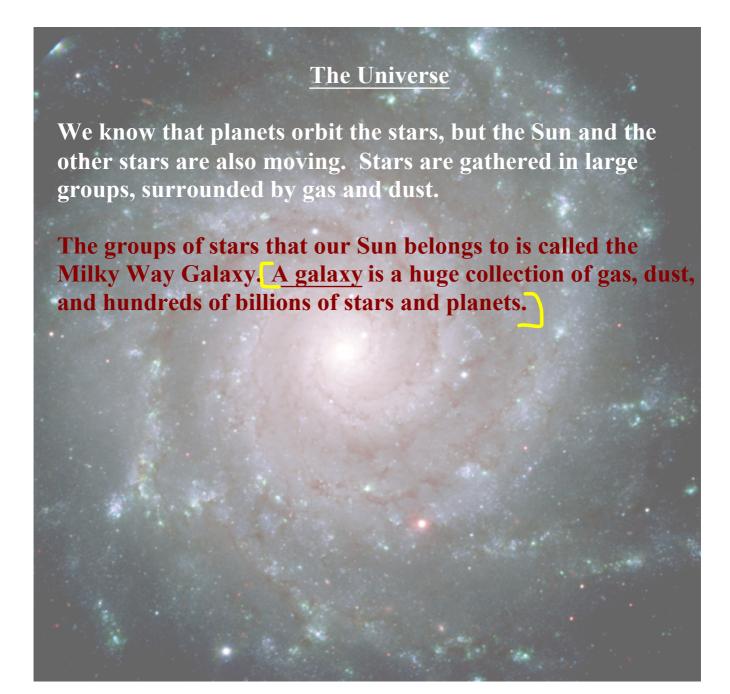


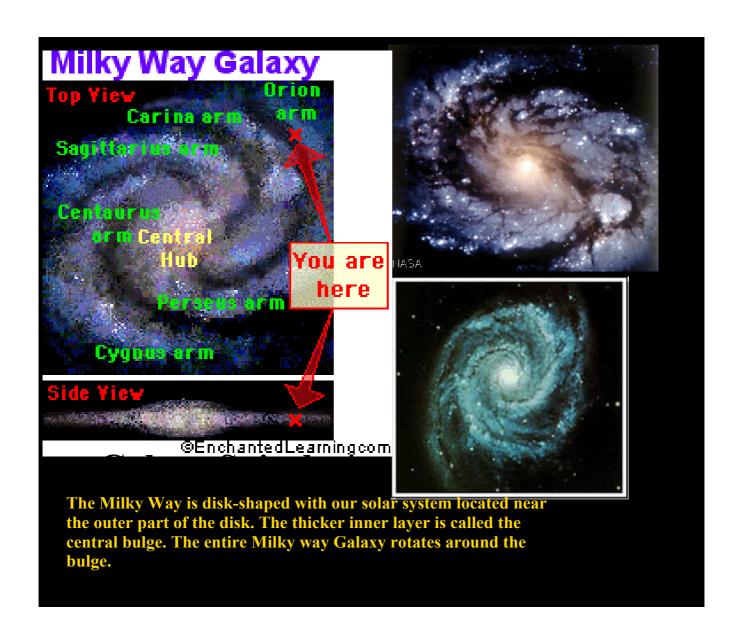
## Brightness of Stars

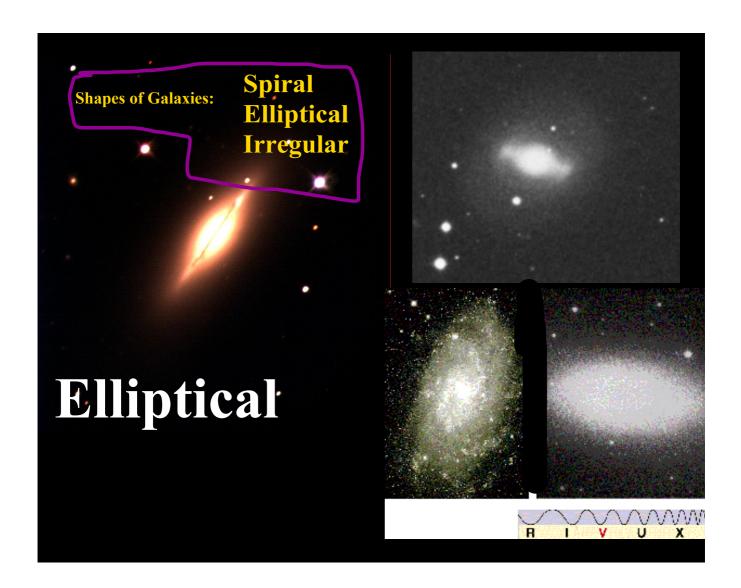
Scientist use the word magnitude to describe a stars brightness.

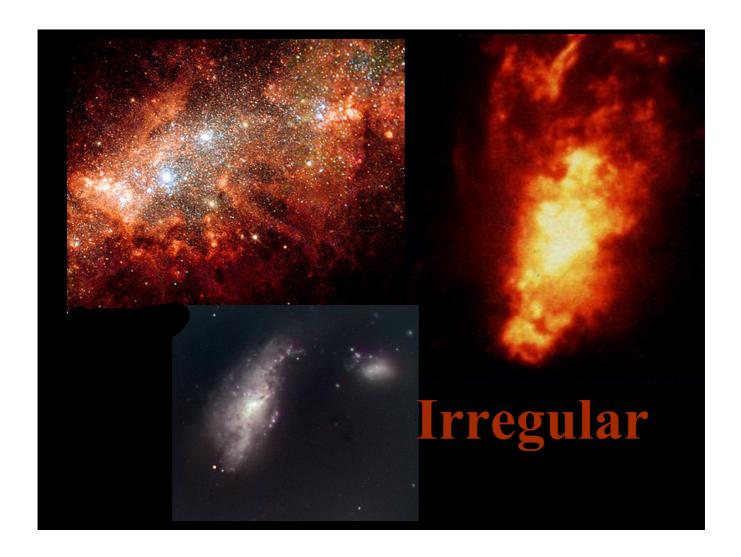
Apparent magnitude: Refers to the brightness of a star as it appears to us.

Absolute magnitude: Refers to the actual amount of light given off by a star.









Read Pages 458-460



Answer questions: 1,2,5,6

Then Stop

