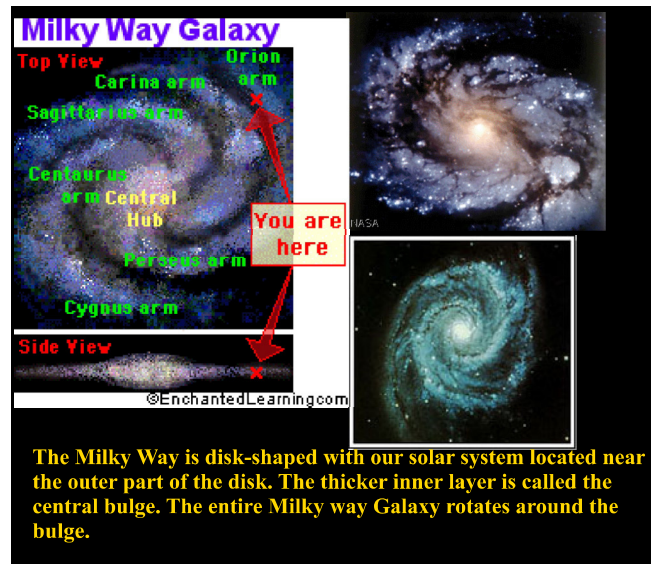
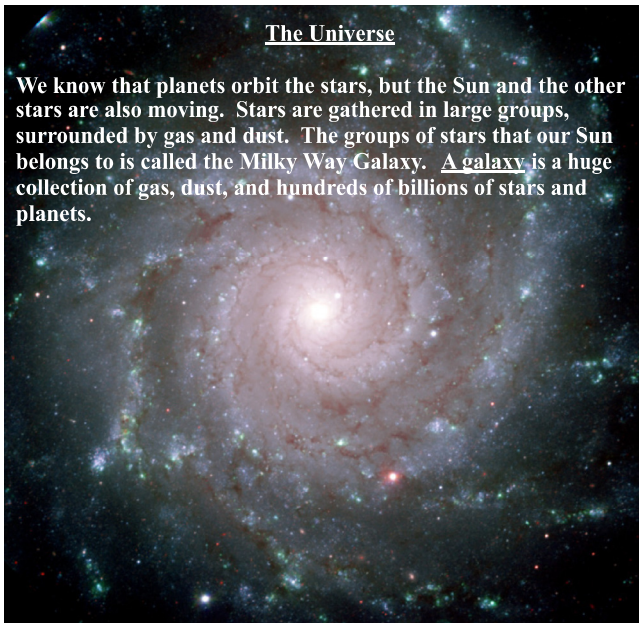
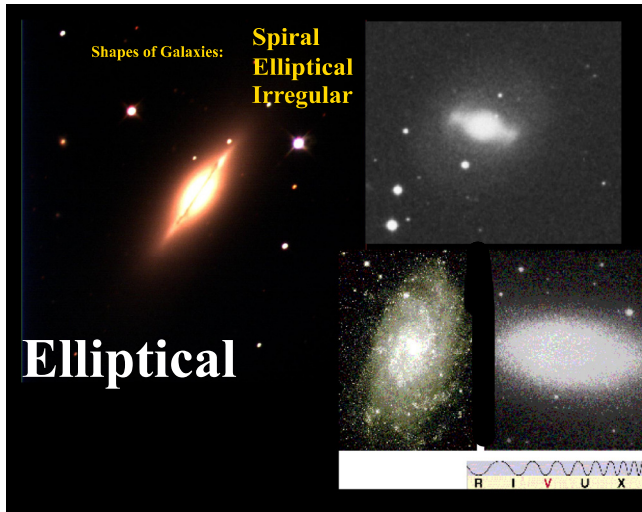


What is the difference between a solar flare and solar prominence?

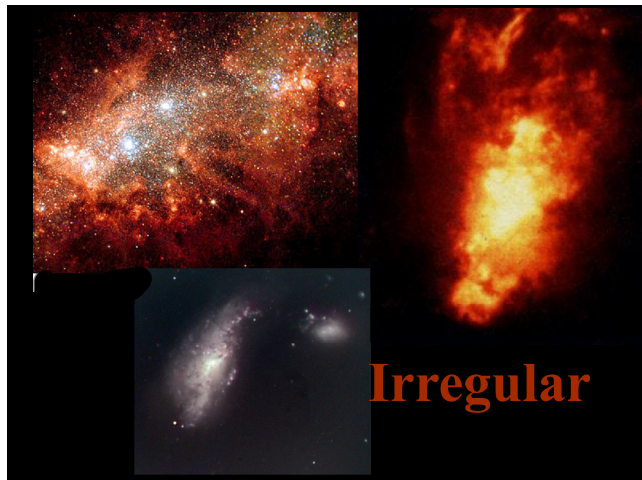
- Solar prominence lasts much longer, and go much farther
- Solar prominence have little effect to us on Earth because they stay controlled within the sun's magnetic field
- Solar flare gets directed to the north and south poles of Earth's magnetic field, creates disturbances in radio transmissions and satellites. We can see the effects by observing the Northern lights.

- P.453 # 1, 2, and 7
- Read p. 461-463





Spiral

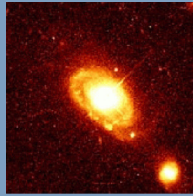


**Galaxies:**

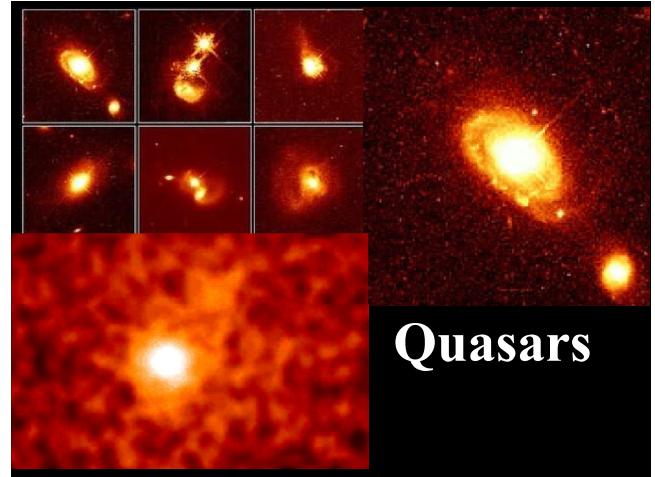
- Some galaxies appear to be in the process of colliding and recombining, tearing stars away from each other. Sometimes small galaxies are swallowed by larger ones.
- Some violent galaxies emit far more energy than average galaxies.

## Quasars

Objects that look like a faint star but emits up to 100 times more energy than our entire galaxy. Quasars are starlike objects that emit radio waves.



[http://www.youtube.com/watch?v=qhaQ\\_f\\_5Z5k](http://www.youtube.com/watch?v=qhaQ_f_5Z5k)



## Star Cluster

A group of stars that are relatively close and travel together. These clusters may have as few as 10 stars or as many as a million: too few to be called a galaxy.

