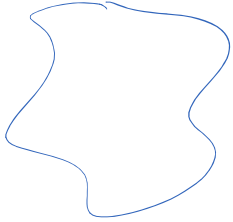


5 Types of Galaxies

February 24, 2015 9:22 AM

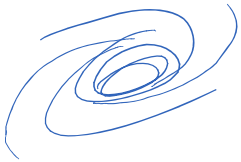
By Shape

Irregular - youngest type



- hasn't had time for gravity to organize it yet
- lots of dust and gas

Spiral



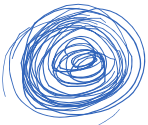
- starting to be organized, indicated by the spiral arms
- still has a fair amount of dust/gas
- The Milky Way is this type

Barred Spiral



- more organized, but arms are not completely tucked in by gravity yet

Elliptical



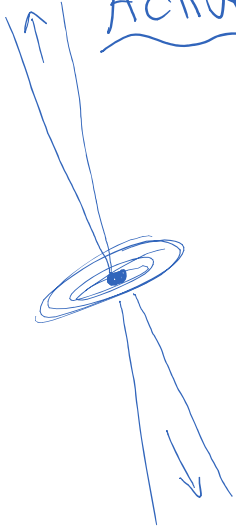
- older galaxies, gravity has pulled in all the bits and pieces
- most of the dust and gas has formed stars.
- symmetrical

Peculiar - when 2 galaxies have collided

2 types of galaxies
(by energy)

Normal - central black hole millions of times the mass of our sun (not feeding)

Active Galaxy - first saw quasars, blazars, seyferts, radio lobes ... but decided all are the same, just seen from different angles.



- have central black holes billions of times the mass of our sun (feeding)
- has jets shooting out of black hole