

## Star Story

Billy's life started in a large nebula. When he left the nebula he was a high-mass protostar. Then he was a high-mass star. He always noticed he was a little bigger than everyone else, and then he became a Super Giant. Then he ran out of helium to fuse with hydrogen, then he fused hydrogen and hydrogen. After that he started to grow very rapidly into a supernova. Finally he collapsed on his own gravity and turned into a black hole.

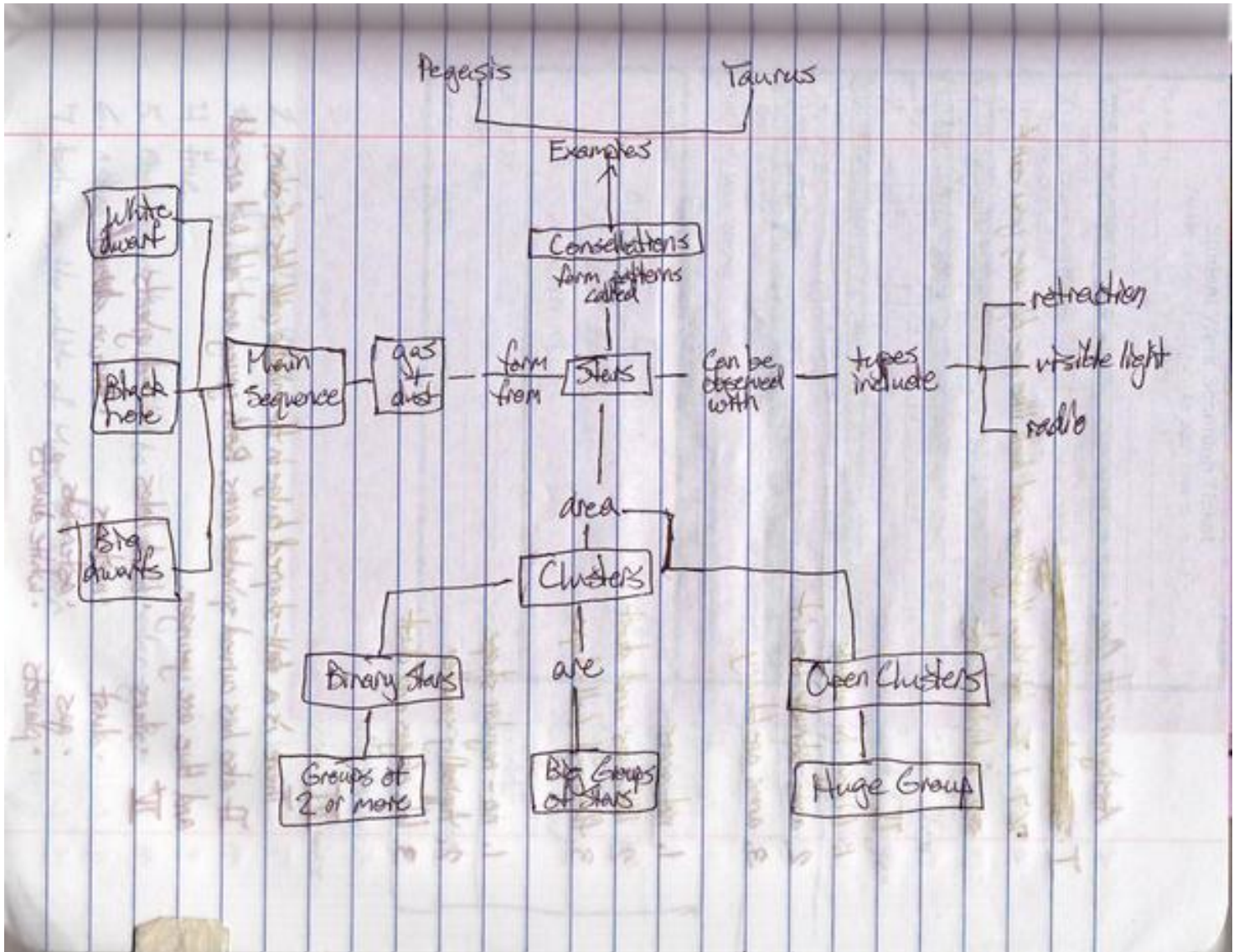
## Comets, Asteroids, and Meteoroids

Feature	Comets	Asteroids	Meteoroids
Origin	Kuiper belt and Oort cloud	exist in interplanetary debris	from comets or asteroids
Size	about the size of the mountain	small - less than 1 km in diameter	smaller than comets or asteroids
Composition	ice, dust, rock	rock	rock or dust

1. Comets are loose collections of ice, dust, and smaller rocky particles whose orbits are usually very long, narrow ellipses
2. coma, nucleus, tail
3. gas & dust
4. true
5. Oort cloud because it'd be out of the solar system
6. asteroids
7. between the orbits of Mars & Jupiter

High School Earth/Space Science Example #1

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
HS-ESS1-1,3	ESS1.A The Universe and Its Stars	Developing and Using Models	Scale, Proportion, and Quantity	WHST.9-12.1, WHST.9-12.2	MP.2



High School Earth/Space Science Example #2

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
	ESS1.A The Universe and Its Stars	Obtain, Evaluate, and Communicate Information	Scale, Proportion, and Quantity	WHST.9-12.2	MP.2