**Astronomy study guide**

Memorize the different life-cycles for small, medium and high mass stars.

How many stars are in a galaxy? How many galaxies in the Universe?

What are the three types of galaxies? What type of galaxy do we live in?

How much does a teaspoon of white dwarf or Nuetron star weigh?

What is a light year? What is an astronomical unit? How far are each?

What is parallax? Understand the size of the parallax angle of near vs. far stars.

What is the Doppler effect?

How does the sun produce energy?

What is the Hertzprung Russell diagram? Be able to read and interpret it.

What’s the difference between absolute and apparent magnitude?

What is red-shift?

What is a black hole? What is the most dense thing in the Universe?

What color are the hottest stars? Coolest stars?

Where do elements on Earth come from?

When the universe was young and had no stars, what were the first elements?

What star is hotter, blue or yellow? What star is brighter, blue or yellow?