Space Trifold  
Directions: You will be creating a brochure for the Space chapter. It will be separated into 3 parts: Big Bang Theory, Stars, and Stellar Evolution. The criteria that each section needs are listed below.

**Big Bang Theory-** Describe how the universe was created using the big bang theory

-Your description should show a timeline series including these 5 significant events from the beginning of time up until now. Briefly describe each of the following and put them in the correct order.

Formation of Atoms, Time begins, Formation of Galaxies, Formation of subatomic particles, Formation of stars

-You need to also describe 3 forms of evidence that support the Big Bang Theory

**Stars-** Describe how stars create energy by drawing a star and describing what happens in each of the layers of the star

-Your picture picture should have 3 layers in the star and each layer should be labeled

-In the core you need to describe how energy is created using these words: fusion, hydrogen, helium, gravity

-In the convective zone describe how energy is transferred using these words: energy, density, convection

-In the radiative zone describe how energy is transferred using these words: radiation, energy, electromagnetic

**Stellar Evolution-**Use a flow chart to show how stars are born, age, and eventually die

-Put these words in the correct order (include separate pathways for small mass and large mass stars): nebula, black hole, main sequences star, supernova, planetary nebula, white dwarf, black dwarf, red giant, neutron star, protostar

-Check with your teacher to make sure you have the words in the correct order

-On your poster make a diagram of the vocabulary words (in correct order) For each word you need to include a PICTURE AND EXPLANATION showing what happens to the star in that stage of its life cycle