Space 🡪 stars Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Answer each of the following questions. Email the completed assignment to your teacher when you are done.

1. Describe what a star is AND draw a picture to help you remember its definition.
2. How do stars create energy/fuel?
3. Describe and draw a picture of nuclear fusion.
4. Compare and contrast (tell how they are alike and different) the radiative and convection zone of a star.
5. List And describe three different things the brightness of a star depends on.
6. Why do you think cooler stars are seen as red and warmer stars are blue?
7. You and a friend are looking at the stars and your friend says, “Stars must be shrinking because gravity is constantly pulling their particles together.” Explain what is wrong with this reasoning.