

ASTRONOMY TEST III MAKE UP

NAME _____ STUDENT NUMBER _____

Answer all questions in some detail. I want to know how much you know about the material.

1. Describe the Sun. Include how it shines, what the "surface" looks like and why, the layers of it, and unusual occurrences on or near it.
2. List and briefly describe 5 ways that a binary system can be detected.
3. Draw an H-R diagram and label all components.
4. Give a description of star clusters, including age and distance determination.
5. Describe the future evolution of the Sun.
6. Briefly describe (a) white dwarfs, (b) nova, (c) neutron star, (d) pulsar, and (e) black hole. Include mass and formation process for each.