

Deaths of Stars

DUE: Q 5-9 – Wednesday, November 11 by 5 pm in my office mailbox (NSC 140)
Q 1-4 – Wednesday, November 11 by 11 pm online

READ: Chapter 13

HOMEWORK:

Answer questions 1-4 on-line at the MasteringAstronomy website.

Answer questions 5-9 on a separate sheet; **sign the honor code in full at the end; sign your name on back.**

AUTHORIZED AIDE: You are to do your own work on this assignment. You may refer to your textbook. If you have difficulty with a question, you may discuss it with me or with another student, but you must write your own answer, in your own words.

TO DO ON-LINE

1. Size, mass, density (2 points)
2. White dwarf, neutron star, black hole (2 point)
3. Black hole (2 points)
4. White dwarf (1 points)

TO HAND IN

5. Text 13-2 (white dwarf) (2 points)
6. Text 13-5 (nova) (2 points)
7. Text 13-7 (neutron star) (2 points)
8. Text 13-8 (pulsar) (2 points)
9. Describe (a) what characteristics one would look for in searching for stellar black holes, and (b) why these characteristics arise for a black hole. (2 points)

In chapter 13, the “Surprising Discoveries” and “Quick Quiz” sections are good study tools and reviews. I recommend that you look over these, perhaps with a partner or in a study.

I encourage you to see me for help to see that you understand these.

Help Session (with Prof. Hrivnak): Tuesday, Nov 10, 9:00-10:00 pm in NSC 119.
and I will be available after class on Wednesday.

Test 3 next Friday, Nov 13. It will cover our study of the sun and stars, chapters 10 - 13

Test review (with Prof. Hrivnak): Thursday, Nov 13, 8:30-9:30 pm in NSC 119.