

Name _____ Date _____

Section 14.2 The Evolution of Stars

- 1) Where do scientists believe stars are born?
- 2) Where does fusion occur?
- 3) What happens to the hydrogen atoms to make fusion occur?
- 4) What famous equation predicts the missing mass converted into energy during fusion?
- 5) Define red dwarf.
- 6) Define white dwarf.
- 7) What happens to the size of a star when it has no more hydrogen left?
- 8) What happens to the helium when there is no more hydrogen left?
- 9) Define planetary nebula.
- 10) Define black dwarf.
- 11) What do high mass stars do with their hydrogen?
- 12) What element does a massive star produce just before supernova occurs?

13) Define supernova.

14) Define neutron star.

15) Define black hole.

16) What happens to supernova cores that are 3 solar masses or greater?

17) What causes a star to become a red giant?