

STARS

Name: _____ Period _____
 What is a star? A ball of hot gas, which produces heat and light from nuclear reactions (fusion) within its core.

Stars are classified by color, temperature, size, composition, and brightness.

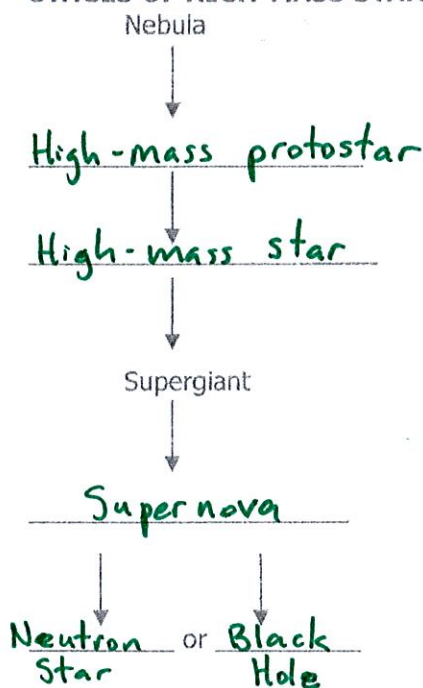
The chemical composition of most stars is

- > 73 % Hydrogen
- > 25 % Helium
- > 2 % other elements by mass

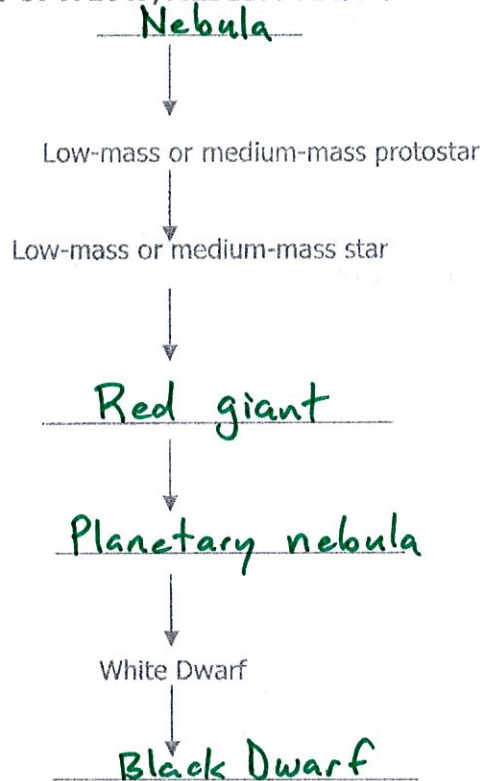
Complete the following flow charts:
BEGINNING OF A STAR:

Nebula → Gravity causes nebula to shrink → protostar → Star is born

STAGES OF HIGH-MASS STAR:



STAGES OF A LOW/MEDIUM-MASS STAR:



OUR BIG STAR:

Describe the sun:

- A massive ball of exploding gas.
- 1.4 million km across.
- Can hold more than a million planets the size of the Earth.
- Closest star to the Earth.
- ONLY star in our solar system!