Name : Class:

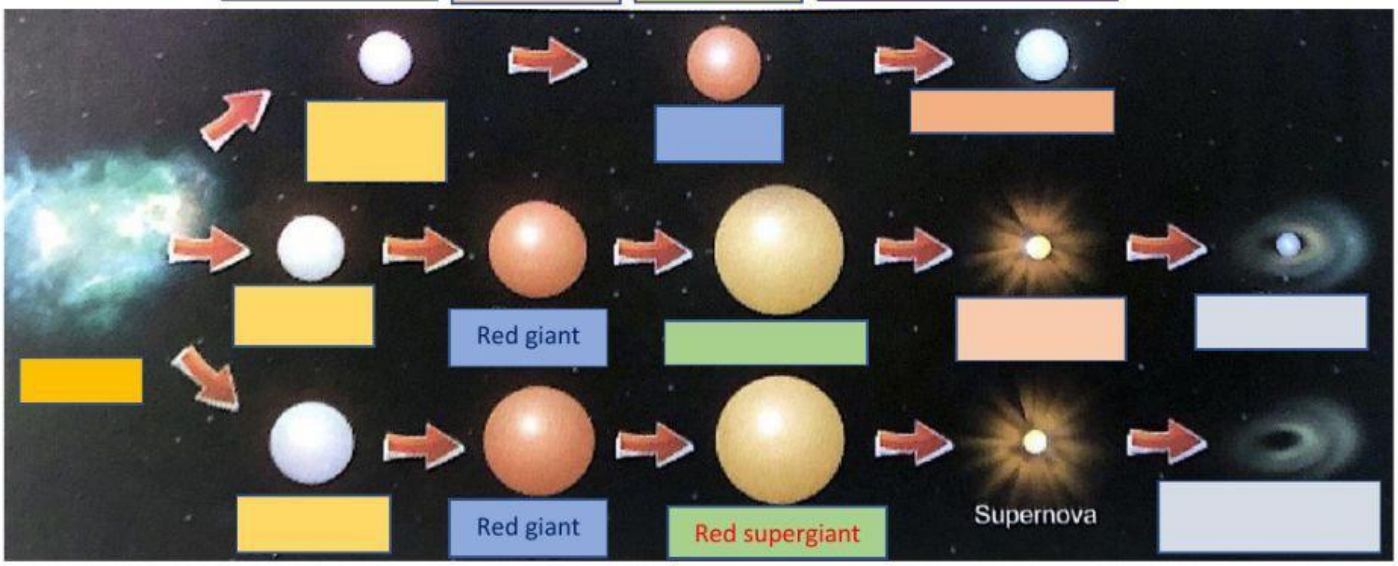
Chapter 11: Star and Galaxies in the Universe

Birth and Death of Stars

1. Complete the sentences below about formation of stars by choosing the provided answer.

gravitational force	light	hydrogen	star	nuclear	nebula	helium	core

- The star was born from the _____ .
- Gases and dust particles in the nebula are pulled by a strong _____ and form a clump of gases.
- The clump of gases are shrinking and compressed until it becomes very dense and forms a _____.
- When the temperature and pressure in the core are too high, _____ reactions will occur.
- _____ gas is converted to _____ which frees up a lot of heat and _____ energy.
- The core shone and a _____ was born.

2. Label the life cycle of stars in the diagram below.

Black hole | Red giant | Red supergiant | Nebula | Neutron star | Super large star | Supernova | Large star | Medium sized star