

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

