

## Reviewing Key Concepts

1. (a) **Defining** What is a nebula?

(b) **Explaining** How does a star form from a nebula?

(c) **Comparing And Contrasting** How is a protostar different from a star?
2. (a) **Identifying** What factor determines how long a star lives?

(b) **Applying Concepts** A star is twice as massive as the sun. Will its lifespan be longer, shorter, or the same as that of the sun?
3. (a) **Comparing And Contrasting** What is a white dwarf? How is it different from a neutron star?

(b) **Relating Cause And Effect** Why do some stars become white dwarfs and others become neutron stars or black holes?

(c) **Predicting** What will happen to the sun when it runs out of fuel? Explain.