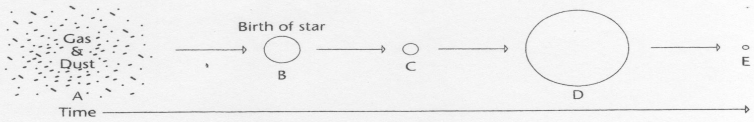
# Lives of Stars

## Understanding Main Ideas

*Fill in each blank with the correct letter from the diagram.*




____ 1. Red giant or supergiant

____ 2. Where fusion begins

____ 3. Part of a nebula

____ 4. White dwarf, neutron star, or black hole

____ 5. The stage the sun is in

*Fill in the blank.*

6. How long a star lives and what it becomes at the end of its life depend primarily on its _____.

## Building Vocabulary

*From the list below, choose the term that best matches each phrase.*

____ 7. pulsar

____ 8. white dwarf

____ 9. nebula

____ 10. protostar

____ 11. supernova

____ 12. neutron star

____ 13. black hole

a. exerts such a strong gravitational pull that no electromagnetic radiation can escape

b. a large cloud of gas or dust in space

c. what a low-mass or medium-mass star becomes at the end of its life

d. a contracting cloud of gas and dust with enough mass to form a star

e. appears to emit pulses of radio waves

f. formed from the leftover material after a high-mass star explodes; may contain as much as three times the mass of the sun

g. an explosion that occurs at the end of a high-mass star's life