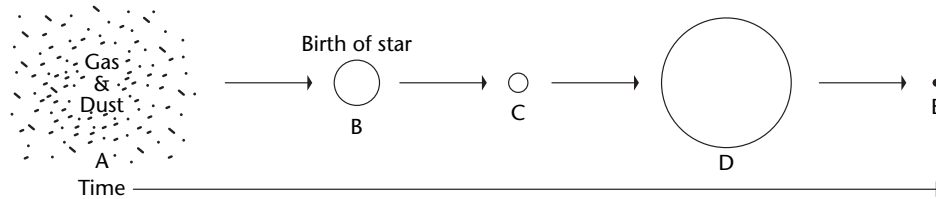


**Stars, Galaxies, and the Universe** ▪ 15.3 *Review and Reinforce***Lives of Stars****Understanding Main Ideas**

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            | a. exerts such a strong gravitational pull that no electromagnetic radiation can escape                              |
| ___ 8. white dwarf       | b. a large cloud of gas or dust in space   |
| ___ 9. nebula            | c. what a low-mass or medium-mass star becomes at the end of its life  |
| ___ 10. protostar        | d. a glowing cloud of gas formed when the outer parts of a red giant drift off into space                            |
| ___ 11. supernova        | e. appears to emit pulses of radio waves   |
| ___ 12. neutron star     | f. formed from the leftover material after a high-mass star explodes; contains up to three times the mass of the sun |
| ___ 13. black hole       | g. an explosion that occurs at the end of a high-mass star's life  |
| ___ 14. planetary nebula | h. a contracting cloud of gas and dust with enough mass to form a star   |