

Stars, Galaxies, and the Universe ▪ 15.5 *Review and Reinforce*

The Expanding Universe

Understanding Main Ideas

Write an answer for each of the following questions in the spaces provided.

1. In which direction are nearly all galaxies moving?

2. What is Hubble's law?

3. Explain how the sun formed.

Building Vocabulary

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

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| _____ 4. big bang | a. a force that is causing the expansion of the universe to accelerate |
| _____ 5. cosmic background radiation | b. the asteroid-like and comet-like bodies that formed the building blocks of planets |
| _____ 6. dark energy | c. leftover thermal energy from the big bang |
| _____ 7. planetesimal | d. matter that does not give off electromagnetic radiation |
| _____ 8. dark matter | e. a large cloud of gas and dust, such as the one that formed our solar system |
| _____ 9. solar nebula | f. a theory that the universe formed in a huge explosion |