

**What Is Life Science?** ▪ 1.1 Review and Reinforce

# Thinking Like a Scientist

**Understanding Main Ideas**

Answer the following questions in the spaces provided.

1. What are five skills scientists use to learn about the world?

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2. What are inferences based on?

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3. Why do scientists make models? Give an example of a model.

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**Building Vocabulary**

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

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| _____ 4. observing                 | a. the process of grouping together items that are alike in some way                   |
| _____ 5. quantitative observations | b. making a forecast of what will happen in the future based on experience or evidence |
| _____ 6. qualitative observations  | c. creating representations of complex objects or processes                            |
| _____ 7. inferring                 | d. explaining or interpreting things you observe                                       |
| _____ 8. predicting                | e. observations that deal with descriptions that cannot be expressed in numbers        |
| _____ 9. making models             | f. a way of learning about the natural world   |
| _____ 10. classifying              | g. using one or more of your senses to gather information                              |
| _____ 11. science                  | h. observations that deal with a number, or amount                                     |
| _____ 12. scale model              | i. a model that shows the proportions between its parts                                |