

What Is Science? ▪ *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?

2. What are inferences based on?

3. What important attitudes do successful scientists possess?

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 or 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. an attitude of doubt |
| _____ 8. predicting | e. explaining or interpreting things you observe |
| _____ 9. making models | f. observations that deal with descriptions that cannot be expressed in numbers |
| _____ 10. classifying | g. a way of learning about the natural world |
| _____ 11. science | h. using one or more of your senses to gather information |
| _____ 12. skepticism | i. observations that deal with a number or amount |