

# Sum It Up »

Read the summary, and fill in the missing words.

The goal of a scientist is to understand the natural world. To do this, a scientist plans and conducts 1. \_\_\_\_\_ .

Scientists use the 2. \_\_\_\_\_ they gather to draw 3. \_\_\_\_\_ .

A good scientist does not let his or her personal beliefs, or 4. \_\_\_\_\_, influence his or her study.

There are many important skills that scientists use. For example, when scientists 5. \_\_\_\_\_, they use their observations and prior knowledge to determine what is happening.



**Read each of the statements below. Write the science skill that each student used.**

6. Angela made a list of how the two planets were alike.  
\_\_\_\_\_

7. Krystal sorted the rocks into five groups based on their color.  
\_\_\_\_\_

8. Robbie explained the results of his investigation to his classmates.  
\_\_\_\_\_

9. Dmitri noted how the feathers looked and felt.  
\_\_\_\_\_

10. Juan organized the steps of the process from first to last.  
\_\_\_\_\_



Name \_\_\_\_\_

## Vocabulary Review

**1** Draw a line from each term to its definition or description.

1. **evidence\***

A. the study of the natural world through investigation

2. inference

B. collecting information by using the senses

3. classify

C. an idea or conclusion based on an observation

4. **investigation\***

D. facts and information collected over time

5. knowledge

E. to put things into groups

6. **opinion\***

F. to arrange things by when they happened or by their size

7. observing

G. the sharing of information

8. communication

H. the observations and information that support a claim

9. **science\***

I. the process of studying or testing something to learn more about it

10. order

J. a belief or a judgment

**\*Key Lesson Vocabulary**

# Apply Concepts

- 2 Compare these two birds. List how they look similar and different.



Similarities:

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Differences:

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- 3 Suppose someone tells you they saw a bird never before seen in your state. What kinds of evidence would you ask for?

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- 4 What, in your opinion, is the scariest animal on Earth? How should this affect your investigations?

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- 5 One morning you see an outdoor garbage can tipped over. Plastic bags are torn open. What could you infer?

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**Take It Home!**

See *ScienceSaurus*® for more information about scientific investigations