

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.

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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:

Differences:

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

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

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



Take It Home!

See *ScienceSaurus*® for more information about scientific investigations