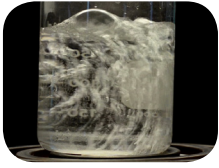# video review

You compare
Which sentence explains what's happening with the heated water in this beaker: The water is boiling. Or? The water is making bubbles.

_____
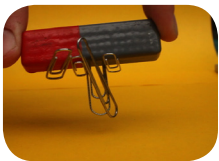
_____

You observe
What is this bird doing?

_____

_____
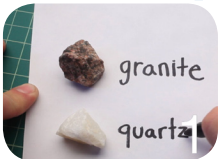
You decide
Explain why this happened.

_____

_____

You decide
What's another way you could get this information?

_____

_____

video quiz
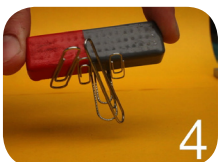
_____ words have specific meaning in science.

An _____ is information gathered with our senses.

This is an example of a _____ that describes an observation.
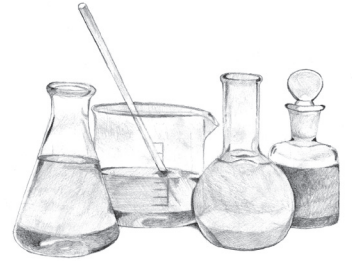
An _____ describes how and why.

_____ involves gathering information.

visual learning systems

vocabulary and writing

Name: _____

Science vocabulary consists of words that have specific meaning in science. When writing about science topics it's important to use correct science vocabulary. Using correct vocabulary provides a more detailed and accurate explanation.

Directions: Circle the best science vocabulary word to complete the sentences.

1 The heated water is **boiling / bubbly.**

2 Many birds **migrate / move** to warmer places in winter**.**

3 The **ticker / heart** pumps blood throughout the body**.**

4 Planets **revolve / go** around the sun.

5 **Electricity / juice** is found in lightning.

what do you know now?

Select the best answer for each of the following questions.

1 The terms "boiling" and "photosynthesis" are examples of what?

- ○ story terms
- ○ vocabulary words
- ○ phrases
- ○ poetry

2 Science vocabulary words help provide more what?

- ○ money
- ○ power
- ○ accurate explanations
- ○ confusion

3 Information gathered with our senses from the world around us is called a(n):

- ○ observation
- ○ drop
- ○ sentence
- ○ term

4 Which is the most accurate observation of a deer eating?

- ○ the deer lowers its head to the grass and takes grass into its mouth
- ○ the deer pulls leaves off trees with its trunk
- ○ the deer swims into the ocean and catches fish
- ○ the deer flies into the air and grabs insects

5 Which is not an observation?

- ○ the ball is red
- ○ the tree has leaves
- ○ I like candy sometimes
- ○ the dog barked

6 Which is an observation based on smell?

- ○ colors of a building
- ○ size of a car
- ○ sound of traffic
- ○ sweet scent of a flower

7 What describes how or why something happened?

- ○ observation
- ○ explanation
- ○ vocabulary
- ○ glossary

8 Which explains why we have day and night?

- ○ we have day and night because Earth is square
- ○ we have day and night always
- ○ at night it is dark and in day it's light
- ○ we have day and night because Earth rotates on its axis

9 Writing scientific explanations includes using good:

- ○ information
- ○ food
- ○ water
- ○ pencils

10 The process of getting information is referred to as what?

- ○ movement
- ○ biology
- ○ research
- ○ reading

what have you learned?

Name: _____

Select the best answer for each of the following questions.

1 What describes how or why something happened?

- ○ observation
- ○ explanation
- ○ vocabulary
- ○ glossary

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writing
explanations

Name: _____

An important part of science involves going beyond writing observations and writing explanations. An explanation describes how or why something happens.

Directions: Write a scientific explanation of each event. Use at least two complete sentences. Remember to use correct science vocabulary in your explanation.

1 You observe nails being attracted to a magnet. Explain why this occurred.

_____

_____

_____

_____

2 Over several days you noticed the water gradually disappeared from a glass left on the shelf. Explain what happened.

_____

_____

_____

_____

3 While watching a sunset, you observed the sun sinking below the horizon. Explain why this happened.
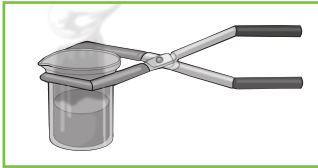
_____

_____

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_____

writing observations

An observation is information we gather from the world around us using our senses. Making observations and recording them is very important in science. Observations are often written as descriptive sentences.

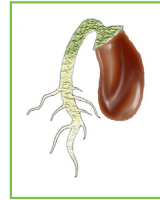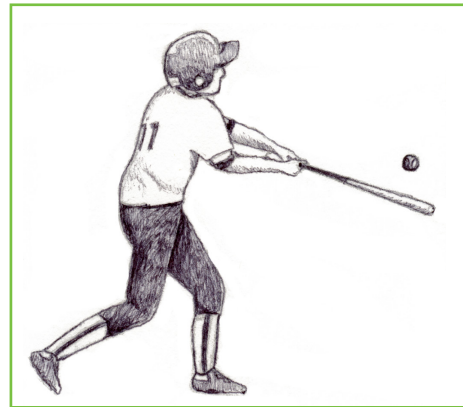**Directions:** Write a descriptive sentence of what you observe in each image.

1

_____

_____

_____

2

_____

_____

_____

3

_____

_____

_____

4

_____

_____

_____

5

_____

_____

_____