Name: Date: Score: / 8

Think Like a Scientist: Learn and Practice

Question, predict, test and conclude

Read each question. Circle the best answer.

💡 Thinking Like a Scientist

- Scientists ask a question, make a prediction, test it, and look at the results.
- In a fair test, you change only one thing at a time.
- Then you share what you learned, even if it surprised you.
- Do seeds grow faster in sun? Change only the light: a fair test

1 👀 Using your senses carefully to notice things is called...

A. Guessing B. Sleeping C. Observing D. Ignoring

2 📏 Which tool would you use to measure the length of a leaf?

A. Clock B. Magnet C. Thermometer D. Ruler

3 You test which paper towel soaks up the most water. What should stay the same?

A. The type of paper towel
B. The answer you want C. Nothing at all
D. The amount of water

4 ❓ What is the first step in a science investigation?

A. Clean up B. Write a conclusion
C. Ask a question D. Share the results

5 In a fair test, how many things do you change at a time?

A. 3 or more B. All of them C. None ever D. Only 1

6 📓 Why do scientists write down what they observe?

A. To change the results
B. To remember and share it C. To skip the test
D. To fill up paper

7 After an experiment, what do you call what you learned?

A. A conclusion B. A prediction C. A material D. A question

8 A smart guess about what will happen is called a...

A. Prediction B. Conclusion C. Graph D. Material

✏️ Explain it! Write two facts you learned about think like a scientist.

ANSWER KEY

Think Like a Scientist: Learn and Practice (answers)

Question, predict, test and conclude

Read each question. Circle the best answer.

1 👀 Using your senses carefully to notice things is called...

A. Guessing B. Sleeping **C. Observing**

D. Ignoring

Observing means using your senses to gather information. Scientists observe all the time.

2 📏 Which tool would you use to measure the length of a leaf?

A. Clock B. Magnet C. Thermometer **D. Ruler**

A ruler measures length in centimeters. Perfect for a leaf!

3 You test which paper towel soaks up the most water. What should stay the same?

A. The type of paper towel

B. The answer you want C. Nothing at all

D. The amount of water

The towel type is what you are testing, so keep the water amount the same for a fair test.

4 ❓ What is the first step in a science investigation?

A. Clean up B. Write a conclusion

C. Ask a question D. Share the results

Every investigation starts with a question you want to answer.

5 In a fair test, how many things do you change at a time?

A. 3 or more B. All of them C. None ever

D. Only 1

Change only one thing, so you know that thing caused any difference you see.

6 📓 Why do scientists write down what they observe?

A. To change the results

B. To remember and share it C. To skip the test

D. To fill up paper

Written notes help scientists remember details and share them with others.

7 After an experiment, what do you call what you learned?

A. A conclusion B. A prediction C. A material

D. A question

A conclusion explains what your results show. It answers your question.

8 A smart guess about what will happen is called a...

A. Prediction B. Conclusion C. Graph

D. Material

A prediction is what you think will happen, based on what you already know.