

Review of Fair Tests

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Understanding Scientific Inquiry

Name: _____

Date: _____

Answer the following questions about fair tests and our sugar dissolving experiment.

1. A fair test means we change only ___ thing in our experiment.

2. In a fair test, we keep everything the same except for one variable.

True False

3. What is a variable in an experiment?

4. What did we change in our sugar dissolving experiment?

- A. The amount of sugar
- B. The kind of water
- C. The temperature of the room

5. To make our experiment fair, we kept everything else ___ the same.

6. Why is it important to have a fair test in an experiment?

7. Scientists do not need to be careful when changing variables.

True False

8. What is the purpose of conducting a fair test?

- A. To guess the answer
- B. To understand how things work
- C. To make a mess

9. What did we learn from our sugar dissolving experiment?

10. Wisdom is supreme. Get ___ according to Proverbs 4:7.

Answer Key

1. ONE 2. True 3. A variable is something that can change. 4. The amount of sugar 5. the same 6. It helps us know what caused the results. 7. False 8. To understand how things work 9. We learned how sugar dissolves. 10. wisdom