

THE SCIENTIFIC METHOD RACE-OFF

4 Teams/Players

Self-Checking

Answer Key

0% Answer the questions below. As you answer them correctly, your character will move and your answers will turn green. Can you beat the other players?



1. What is an educated guess that can be tested in an experiment?	2. In which step of the scientific method do you conduct a test to support or refute your hypothesis?	3. What is a hypothesis?
<input type="text"/>	<input type="text"/>	<input type="text"/>
4. In an experiment, this group is left alone, or stays the same for comparison.	5. A collection of facts and stats from the results of an experiment.	6. Dr. Maple paper towel brand absorbs the most water. She placed each in 50 mL of water for 30 seconds. Brand A absorbed 20 mL, Brand B absorbed 33 mL, and Brand C absorbed 15 mL. Given this information, which brand of paper towel is the best?
<input type="text"/>	<input type="text"/>	<input type="text"/>
7. Dr. Maple and her team investigated which paper towel brand absorbs the most water. She placed each in 50 mL of water for 30 seconds. Brand A absorbed 20 mL, Brand B absorbed 33 mL, and Brand C absorbed 15 mL. Given this information, which brand of paper towel is the best?	8. Dr. Lewis studied how light color affects plant growth by growing basil under red, blue, and white light. After 14 days, the basil under red light grew the most at 7.5 cm, the basil under blue light grew the most at 5.2 cm, and the basil under white light grew the most at 4.1 cm. Given this information, which color of light is the best for growing basil?	