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Name: **The Scientific Method**

*Fill in the blanks in the paragraph with the words in the box below:*

result	repeat	question	observations
prediction	research	conclusion	scientific method

Scientists use the \_\_\_\_\_ when trying to answer a \_\_\_\_\_ they have about the world! This begins with \_\_\_\_\_, when they find out as much as they can about the topic and make initial \_\_\_\_\_. This will help them make a smart guess, also known as a \_\_\_\_\_. After this, they can perform the experiment. It is important to \_\_\_\_\_ the experiment multiple times, for in case you make a mistake when doing it. This way you can be more certain about the \_\_\_\_\_ by seeing what usually happens. After completing the entire process, you can draw a \_\_\_\_\_, which is your answer to the original question.

*Following the steps of the scientific method, write out how you would test how the weight of a bouncy ball affects how high it bounces.*

Ask a question:

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Research and initial observations: What do you already know about bouncy balls?

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Make a prediction:

I predict that a bouncy ball that is heavier will bounce \_\_\_\_\_ than one that is lighter.