There is no fixed sequence of steps that all scientific investigations follow. --NSTA

QUESTIONS:

1. What does the quotation at the top of the page mean?

2. Why do you think this scientific method is in a circle?

3. Why is "Ask a Question" in the center?

4. What do you think is the purpose of the gray paths from the center going out in all directions?

What is the purpose of all the lines in the background?

5. Why is there a "correct" place to paste each of the small triangles and yet there is no "fixed" order, according to most scientists?
Questions:

1. What does the quotation at the top of the page mean? Scientists can run experiments in many different ways, repeating steps, doubling back, etc.

2. Why do you think this scientific method is in a circle? Because an experiment might not end with "communicate with others," but may loop back and repeat several steps.

3. Why is "Ask a Question" in the center? Because all experiments start the same way, with someone wondering something, asking a question, and needing an answer!

4. What do you think is the purpose of the gray paths from the center going out in all directions? It's possible to go to each of the next steps after asking a question, especially later in an experiment, when the question might need to be clarified.

What is the purpose of all the lines in the background? To show how a scientist can jump around while trying to answer a question, not just go in a straight line.

5. Why is there a "correct" place to paste each of the small triangles and yet there is no "fixed" order, according to most scientists? Because there is a logical order but then the order can change once the experiment is going, as a scientist may need to back up and redo some part, or redo some part, in order to answer the original question, including rewriting the original question.

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