**Applying the Scientific Method - 10 Points**

The steps of the scientific method are:

1. Ask a question.

2. Make a hypothesis.

3. Test the hypothesis with an experiment.

4. Analyze the results of the experiment.

5. Draw a conclusion.

6. Communicate results.

**An example of applying the scientific method.**

**Question**: What is the fastest route to school?

**Hypothesis**: Taking Main Street to Elm Street to avoid the light on Maple Avenue is the fastest route to school.

**Experiment:** Drive to school at the same time each day at the same speed, taking a variety of routes. Make sure to include the hypothesis route. Record the time it takes for each route.

**Analysis:** Analyze the different route times, selecting the fastest.

**Conclusion:** Determine whether your route hypothesis was correct.

**Discussion:** Share the results of your test to help others get to school on time.

You can use the steps of the scientific method to answer many questions in everyday life. If you can ask the question, you can apply the scientific method to answer it. ***Choose one of the questions from the list below. Follow the scientific method to answer the question by designing an experiment. Use a separate sheet of lined notebook paper.***

1. What breakfast gives you the most energy in gym class?
2. What is the most popular lunch option in the cafeteria?
3. What type of joke makes my little brother laugh the most?
4. When is the best time to go to the grocery store to avoid lines?