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Lesson: The Scientific Method

Name:

Teacher:

Date:

Scientific Method Quiz 2 – STEM Scholars Hub

Instructions: Read each question and choose the best answer. Use the chart below to help you!



1. What is the first step in the scientific method?

- a) Make a hypothesis
- b) Ask a question
- c) Do an experiment
- d) Record data

2. What is a hypothesis?

- a) A wild guess
- b) A question



- c) An educated guess
- d) A conclusion

3. Which step involves testing your hypothesis?

- a) Ask a question
- b) Conduct an experiment
- c) Record data
- d) Make a hypothesis

4. Why do scientists record data?

- a) To decorate their notebooks
- b) To track what happens
- c) To make their handwriting better
- d) To guess results

5. What do scientists do after an experiment?

- a) Take a nap
- b) Make a conclusion
- c) Ask a new question
- d) Throw away notes

6. Which of these is a good science question?

- a) Why is pizza yummy?
- b) How does sunlight affect plant growth?
- c) Can I have a pet dinosaur?
- d) What's my favorite color?

7. What tool helps measure plant height?

- a) Paintbrush
- b) Ruler
- c) Calculator
- d) Microscope

8. If your hypothesis was wrong, what should you do?

- a) Give up
- b) Try again
- c) Hide your data
- d) Change the results

9. Which step comes after making a hypothesis?

- a) Ask a question
- b) Do an experiment



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- c) Record data
- d) Make a conclusion

10. What is the purpose of the scientific method?

- a) To make art
- b) To solve problems and learn
- c) To play games
- d) To memorize facts

Bonus Activity:

Draw a picture of a scientist doing an experiment!



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Answer key:

1. What is the first step in the scientific method?

Answer: b) Ask a question

2. What is a hypothesis?

Answer: c) An educated guess

3. Which step involves testing your hypothesis?

Answer: b) Conduct an experiment

4. Why do scientists record data?

Answer: b) To track what happens

5. What do scientists do after an experiment?

Answer: b) Make a conclusion

6. Which of these is a good science question?

Answer: b) How does sunlight affect plant growth?

7. What tool helps measure plant height?

Answer: b) Ruler

8. If your hypothesis was wrong, what should you do?

Answer: b) Try again

9. Which step comes after making a hypothesis?

Answer: b) Do an experiment

10. What is the purpose of the scientific method?

Answer: b) To solve problems and learn