

Scientific Inquiry

Name _____
Period _____

1. What is science?

2. What is physical science? Into what two main branches of study is physical science divided?

3. What are observations?

4. What is an inference?

5. What is scientific inquiry?

6. What is the scientific method?

7. Do the steps of the scientific method always need to be used in the same order? Explain.

8. What is a hypothesis?

9. What is a prediction?

10. What is a controlled experiment?

11. What are variables in an experiment?

12. What are constants in an experiment?

13. What is an independent variable?

14. What is a dependent variable?

15. What is an experimental group in a controlled experiment?

16. What is a control group in a controlled experiment?

17. Why is it important to perform multiple trials in an experiment?

18. What are qualitative data or observations?

19. What are quantitative data or observations?

20. List the seven steps of the scientific method.

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