Physical Science

Section 1.1 Guided Reading

1. Copy the 3 statements of **What You’ll Learn.**

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2. What is science?

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3. List and describe the 3 major categories of science:

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4. Why do scientific explanations change?

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5. List the three types of investigations:

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6. What is the scientific method?

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7. List the 6 steps of the scientific method:

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8. What is one common way to test a hypothesis?

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9. What is a variable?

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10. What is a dependent variable?

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11. What is an independent variable?

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12. What is a constant?

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13. What is a control?

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14. What are parts of an experiment that are important in communicating with other scientists?

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15. Why should data be organized in a logical manner?

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16. How do you decide in your hypothesis is supported by the experiment?

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17. What must be done for a hypothesis to be considered valid and widely accepted?

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18. What is a bias in science?

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19. How can scientists avoid or lessen bias?

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20. What is a model in science?

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21. What is scientific theory?

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22. When does a hypothesis become a theory?

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23. What is a scientific law?

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24. Do scientific laws explain how or why something happens?

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25. What makes a question a scientific question?

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26. Are science and technology the same? How are they related to each other?

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