Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assessment Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Study Guide Scientific Method

1. What are scientific methods?

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1. What is a scientific model?

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1. Before asking questions, what is a scientist likely to do?

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1. What must a good hypothesis be?

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1. What type of scientific model would be used to represent a molecule?

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1. Which is a good way to analyze data?

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1. At the end of an investigation, what should you do if you conclude that your results do not support your hypothesis?

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1. What type of scientific model would best be used to describe how the planets and galaxies were formed?

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1. What are some methods of communicating the results of scientific method?

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1. Name the steps in order that can be used in the scientific method.

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1. What are the SI units for measuring length, mass, and volume?

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1. Write the definition of the following words and how to find it/what instrument used.

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| MASS:VOLUME:DENSITY:TEMPERATURE: |

1. What are the two advantages in using SI unite for scientist sharing their work with others?

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