

Name _____ # _____

Date _____

Scientific Method Study Guide

Matching:

- A. a way to organize and display information that has been collected from an experiment _____ 1. reasonable
B. a decision based on knowledge and observations _____ 2. conclusion
C. something that makes sense _____ 3. bar graph
D. information you collect from an experiment _____ 4. data table
E. a graph that uses bars to show information _____ 5. data
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- A. when you are using your five senses to learn more about the world _____ 6. observation
B. a statement about what you think will happen within the experiment _____ 7. weight
C. the pull of gravity on an object _____ 8. analyze
D. how much space an object takes up _____ 9. prediction
E. to study something closely _____ 10. volume
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- A. this is what you are doing when you look at a problem in a scientific way and ask questions in order to solve it _____ 11. inference
B. means correct _____ 12. accurate
C. a way to organize and display information using horizontal line _____ 13. investigation
D. a conclusion based on prior knowledge and experience _____ 14. model
E. a copy of something _____ 15. hypothesis
F. an educated assumption _____ 16. line graph
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List the steps for The Scientific Method below:

17. Step 1: _____
18. Step 2: _____
19. Step 3: _____
20. Step 4: _____
21. Step 5: _____
22. Step 6: _____