

Name: _____ Date: _____ Class: _____

Answer all questions in complete sentences unless otherwise stated. Make sure you are using units with your answer when necessary.

1. A hypothesis can become a theory and a theory can become what?

2. List the six steps of the Scientific Method:

3. Identify the qualitative and quantitative observation in the following:
The fluffy dog weighed 86 pounds.

4. What causes a theory to change?

5. Chase decided to test if sight affects a person's taste. He wants to test his theory by giving individuals two different fast burgers from two different places. Group A will taste the hamburgers in front of them knowing where they are from. Group B will taste the hamburgers while they are blindfolded and not know where they came from. Identify:

Independent Variable: _____ Dependent Variable: _____
Control Group: _____ Experimental Group: _____

6. Draw a picture to represent the difference between accuracy and precision.

7 - 10. Identify the units and the tool to measure the following:

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