

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## Home Work 101: Metric Awareness

- \_\_\_\_\_ Chemistry is the study of...
  - Candles
  - Properties
  - Reactions
  - Matter
- \_\_\_\_\_ The milk tastes sour is an example of a(n)...
  - Conclusion
  - Observation
- \_\_\_\_\_ An educated guess which explains observations is called...
  - A law
  - An experiment
  - A hypothesis
  - A variable
- \_\_\_\_\_ Which of these is a qualitative observation?
  - The candle is 3.0 centimeters long
  - The wick of the burning candle is curled at the top
  - The wax contains carbon and hydrogen
- \_\_\_\_\_ In an experiment, the variable which is deliberately changed by the scientist is called the...
  - Controlled variable
  - Manipulated variable
  - Resulting variable
- \_\_\_\_\_ **True or False?** When a hypothesis is tested and shown to be incorrect, the experiment is a failure.
  - True
  - False
- \_\_\_\_\_ It must be about to rain because the sky is getting dark is an example of a(n)...
  - Conclusion
  - Observation
- \_\_\_\_\_ After the flame goes out, the liquid solidifies after 5 seconds is what type of observation?
  - Qualitative
  - Quantitative
- \_\_\_\_\_ Name the *third* step in the Scientific Method
  - Observe
  - Hypothesis
  - Test
  - Conclude
- \_\_\_\_\_ In a good experiment, only \_\_\_\_\_ variables are allowed to change at a time.
  - 1
  - 2
  - 3
  - 4