

[ACTIVITY NAME]

**Purpose:** something that one sets out for oneself as an objective; the aim of the experiment; may be stated as a question

**Hypothesis:** a possible explanation for a question

**Materials:** list of things you used in the experiment

**Procedure:** 1) Some experiments will only require you to list the textbook—name, page number(s), and procedure numbers. 2) Other experiments will require you to enter the complete procedure, listing the steps followed while conducting the experiment.

**Observations:** These are written in the same order as the procedures. Try to answer the following questions: What was done for each procedure? What was seen/heard/felt/smelled when you did the procedure? For example:

- a) Measurements of (length/mass/volume) were taken and recorded.  
The (mass/length/volume) of \_\_\_\_\_ was \_\_\_\_\_.
- b) Tables are drawn with a ruler and include all data. Correct symbols for units are used.  
The table is completed in pencil. A title for the table is included.
- c) Observed objects were drawn.
- d) Equipment used and its set up were diagrammed.
- e) It was observed that the object: (complete the sentence)  
was seen to \_\_\_\_\_  
sounded like \_\_\_\_\_  
felt like \_\_\_\_\_  
smelled like \_\_\_\_\_ (use caution when smelling)

(Note: Most of the above points will not be used for any one procedure.)

**Questions:** At the end of each experiment you may find a set of questions. You must answer those in this section.

**Conclusions:** Try to answer some of the following questions for each experiment:

1. Name and describe any new terms and procedures you may have learned. Did you do what you said you wanted to in the purpose?
2. What other instruments (apparatus) might one have used in this experiment?
3. Do you think your results are accurate? Explain.
4. Have you learned a new skill? Could it help you predict something?
5. Try to generalize. Would this procedure work for other materials? If so, how?
6. How could you use what you learned in your daily life? Has this experiment changed your attitude about something?
7. Does what you learned have any importance in your day-to-day life?
8. How do you interpret your observations?
9. What connections and relationships have you learned?

**Remember: not all of the above questions can be answered for every experiment, but # 8 is always answered.**