

Design your experiment:

Complete the **Experiment Design Diagram** below. Have it checked by your teacher, and then proceed to write the **Problem** (write *your own* problem question), the **Materials**, and the **Procedure** on the next page.

Experimental Design Diagram

Title:	
Hypothesis:	
Independent Variable (IV):	
Levels of the IV (Label the level of the IV which will act as the control, if there is one.)	
repeated trials	
Dependent Variable (DV):	
Constants: (Be sure to include measurements where needed.)	

Problem:

Materials: (List them and include quantities when needed.)

Procedure: (This should be written in numbered steps that someone else could follow to do the experiment exactly as you have done it. Refer to other labs for examples.)

Data and Observations

Make a table for data and/or observations.

Graph your data in the space below or as your teacher directs. Refer to **Graphing Directions and Checklist** on page 27.

Conclusion

Restate the problem question you wrote and answer the question using the observations and data from your experiment.