

1. **Ask a Question/ State the Purpose**
2. **Hypothesis**

Phrased as “\_\_\_\_\_.... \_\_\_\_\_\_\_\_... \_\_\_\_\_\_\_\_\_\_”

Independent/Dependent Variables

1. **Design & Conduct an Experiment**

Independent Variable:

Dependent Variable:

Constant Variables:

Control Group:

1. **Analyze Data/Results**
2. **Report Conclusions**

Read your section and summarize the info, being sure to define any highlighted vocabulary.

Apply your step of scientific inquiry to the following problem: How does the color of a light bulb affect the growth of grass seeds?

* Ask a Question (page 16)
* Hypothesis (page 18)
* Design & Conduct an Experiment (page 19: “Controlled experiments” and “Experimental design”)
* Analyze Data/Results (page 19: “Data gathering”, page 20: “Analyze the data”)
* Report Conclusions (page 20)