

Purpose

After reading this paragraph, select it and write your purpose. The purpose rewords the question that your project will investigate. For example, the question, “How does light affect the growth of plants?” would be restated as the following: “The purpose of this project is to determine the effect of light on plant height.” Please note that “affect” is a verb, and “effect” is a noun.

Hypothesis

After reading this paragraph, select it and write your hypothesis. The hypothesis states the expected outcome of your experiment. The hypothesis should be stated in an “if” ... then ... because” statement where the “if” statement pertains to the independent variable (the one thing that you changed in your experiment) and the “then” statement pertains to the dependent variable (the quantity that you are measuring in your experiment). After stating the expected outcome of the experiment, explain why you have made this prediction. For example, “If plants are grown with various amounts of light, then the plants grown with the most light will have the greatest increase in height because plants need light for photosynthesis.”