**EXPERIMENT CORNER**

**EXPERIMENT VOCABULARY**

- **independent variable** *(noun)*: the variable that is changed or controlled in a scientific experiment. It represents the cause or reason for an outcome.
- **dependent variable** *(noun)*: the variable in an experiment that is being measured or tested. The dependent variable responds to the independent variable.
- **control group** *(noun)*: the group in an experiment that doesn’t experience the independent variable. Scientists can compare the control group to the experiment group to see the independent variable’s effects.

**VOCABULARY IN ACTION: SAMPLE RESEARCH QUESTION**

How do air temperatures cooler than room temperature impact plant growth (height) during germination?

For this experiment, scientists will adjust the independent variable of air temperature to see what effect it has on the dependent variable of plant height. They will create three experimental groups allowing planted seeds to germinate at 20°F, 40°F, and 60°F. The scientists will also create a control group where seeds are allowed to germinate at standard room temperature (72°F). The control group helps scientists to measure experiment results and determine whether the air temperature (independent variable) does indeed impact plant height (dependent variable).