

Define variables

Instructions

What

When conducting an experiment, it is important to isolate and manipulate only one factor per experiment so that the effect of your change are clear. The independent variable is the factor manipulated by the researcher. With one independent variable, we can measure the impact of the change (dependent variable). The remaining variables (control variables) are the ones you control (don't change) so that they do not influence the results.

How

Using your hypothesis as guidance, you should decide which one aspect of your experiment you would like to vary between conditions; this creates your experimental condition. Noting down your control variables enables you to ensure that all other aspects of the experiment remain equal.

Variables

template

Variables	
Independent variable (Experimental condition)	Control variables (Control condition)