

Identifying Variables

The **independent variable** is the variable that you change or select the values for.
The **dependent variable** is the variable that is measured for each change of the independent variable.

Directions: draw a line to match the highlighted portion to either the IV or DV

1. A student investigated how the **intensity of light** affects the **surface area of leaves** on a tree.

independent variable

dependent variable

2. A student investigated whether the **height of a person** affects **how fast they can run**.

independent variable

dependent variable

3. A student investigated the **amount of energy stored** in different **brands of crisps**.

independent variable

dependent variable

4. A student investigated whether the **height a ball bounces** depends on the **ball's circumference**.

independent variable

dependent variable

5. A student investigated how the **rate of a reaction** was affected **by temperature**.

independent variable

dependent variable

6. A student investigated which **colour of flower** **attracts the most bees**.

independent variable

dependent variable
