

Independent Variable

Also called:

Glue this side into your journal

Dependent Variable

Also called:

Controlled Variable

Also called:

<p>Highlight the <u>independent variable</u> in each experiment. Circle the <u>dependent variable</u> in each experiment. Underline the <u>controlled variable</u> in each experiment.</p> <p>How does the size of a faucet affect how much water flows through it in one minute?</p> <p>If the mass of a paper airplane increases, then the distance it flies will decrease.</p> <p>Students used 20 of the same kind of plants, gave them the same amount of light and water, and put 5 of them under red light, 5 under blue light, 5 under green light, and 5 under natural light. At the end of 30 days, they measured the height of the plants.</p>	<p>Define or describe <u>Independent Variable</u> in your own words.</p>
<p>Highlight the <u>dependent variable</u> in each experiment. Circle the <u>controlled variable</u> in each experiment. Underline the <u>independent variable</u> in each experiment.</p> <p>If you increase the amount of exercise you do in 30 minutes, then your heart rate will increase.</p> <p>How does increasing distance between the same type of plant affect how many plants will survive?</p> <p>Students put the same type of bacteria in 15 Petri dishes. Antibiotic A was applied to 5 dishes, Antibiotic B was applied to 5 dishes, and Antibiotic C was applied to the last 5 dishes. At the end of 2 weeks, the number of bacteria colonies was counted.</p>	<p>Define or describe <u>Dependent Variable</u> in your own words.</p>
<p>Highlight the <u>controlled variable</u> in each experiment. Circle the <u>independent variable</u> in each experiment. Underline the <u>dependent variable</u> in each experiment.</p> <p>How does increasing the temperature of tea affect how fast one type of sugar will dissolve?</p> <p>Students poured the same amount of water through 3 types of soil. They recorded the amount of water that soaked through the soil.</p> <p>If the same type of magnet is subjected to increasingly colder temperatures, then the amount of nails it will pick up will also decrease.</p>	<p>Define or describe <u>Controlled Variable</u> in your own words.</p>