
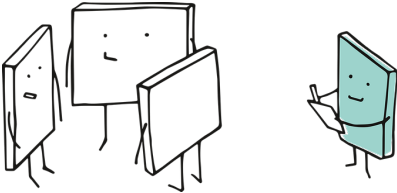
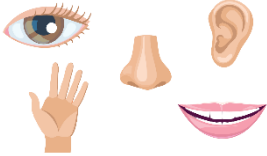
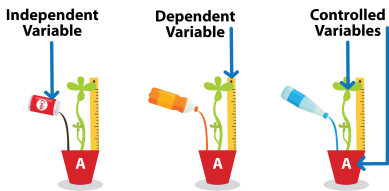
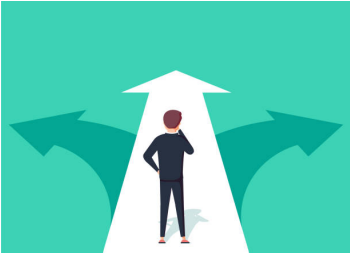



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Based on the given diagrams, define each of the following terms.


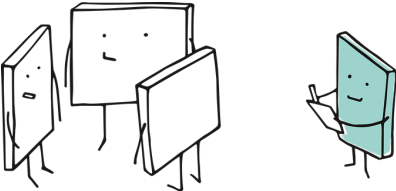
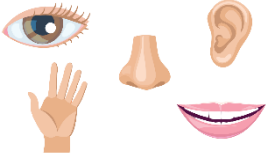
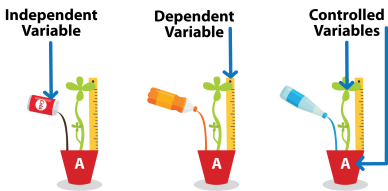
Diagram	Term	Definition
	data	
	observation	
	qualitative data	
<p>4 leaves 7 inches 30cm 12 degrees 150 mL 22 mice</p>	quantitative data	
	variable	
	independent variable	
	dependent variable	
	constant	

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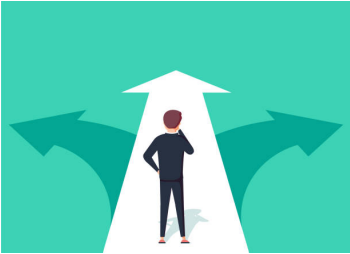

Diagram	Term	Definition
	<p>inference</p>	
<p>HYPOTHESES FOLLOW QUESTIONS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> It is testable. <input checked="" type="checkbox"/> It is clear. <input type="checkbox"/> It can be measured. <input type="checkbox"/> It is straight to the point. 	<p>hypothesis</p>	

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Based on the given diagrams, define each of the following terms.

Diagram	Term	Definition
	data	facts and statistics collected together for reference or analysis
	observation	an act or the power of seeing or taking notice of something
	qualitative data	descriptions of the qualities observed in an experiment
<p>4 leaves 7 inches 30cm 12 degrees 150 mL 22 mice</p>	quantitative data	information that can be counted or measured—or, in other words, quantified—and given a numerical value
	variable	able to be changed or adapted
	independent variable	the variable being manipulated or changed in the experiment
	dependent variable	the variable being measured in response to the independent variable
	constant	all factors that do not change in the experiment

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Diagram	Term	Definition
	<p>inference</p>	<p>a conclusion reached on the basis of evidence and reasoning</p>
<p>HYPOTHESES FOLLOW QUESTIONS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> It is testable. <input checked="" type="checkbox"/> It is clear. <input type="checkbox"/> It can be measured. <input type="checkbox"/> It is straight to the point. 	<p>hypothesis</p>	<p>an educated guess that states the proposed solutions or expected outcomes for experiments</p>