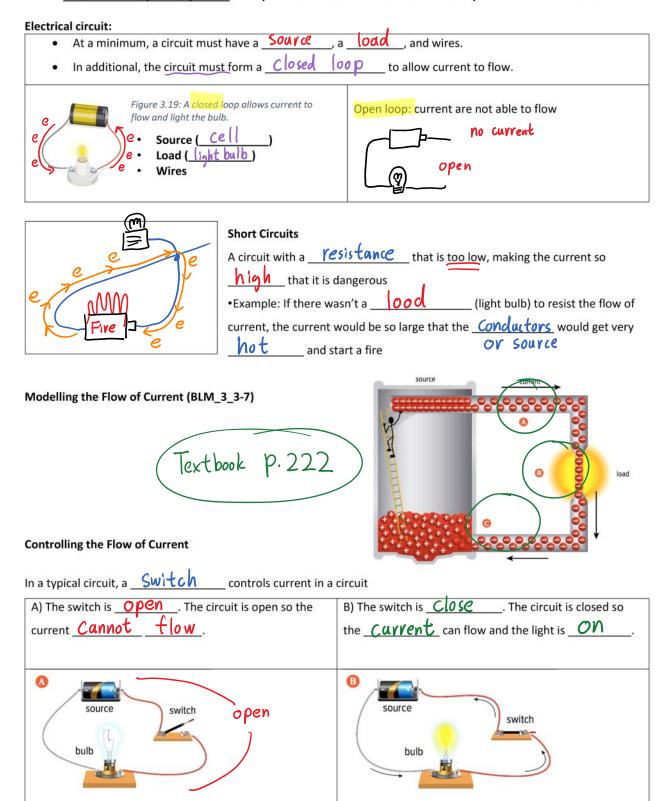
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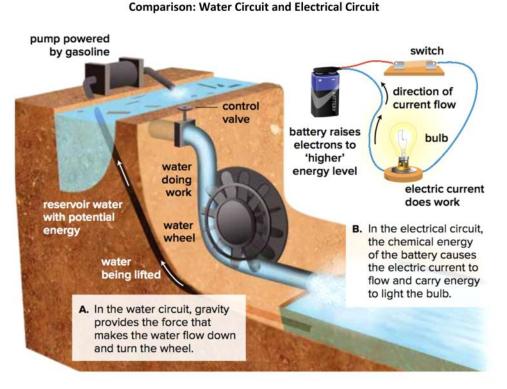
Science 9 - Physics Topic 3.3 Concept 5: Conductors must form a closed loop to allow current to flow.



Using Circuit Diagrams

Component		Symbol	Quantity	Unit of Measurement
Source	Cell	-+ 	Electrical -	3 Volt. (V)
	Battery	+1111-	Potential ditterence	/
Conducting Wire			Current (I)	Ampere (A)
Load		W	Resistance (R)	Ohm (1)
Switch	Open	-		
	Closed			

Note: the one line the symbols for cells or batteries represents the positive terminal and the short line represents the negative terminal



- Water circuit: A pump ______ the water to a higher _____ against the pull of gravity
- · Electrical circuit: The cell or battery is similar to the pump