

Unit 6G

Changing Circuits

Chatterbox 6

Level 4

<p>SYMBOLS Changing Circuits Unit 6G</p>	<p>1 How could you <u>change the number of batteries</u> to make a bulb <u>brighter</u>?</p>	<p>2 Explain why wires are usually covered in <u>plastic</u> or <u>rubber</u>.</p>	<p>DIAGRAM Science Chatterbox 6 K F F</p>
<p>5 Explain why we use <u>symbols</u> to draw circuit diagrams?</p>	<p>using <u>symbols</u> makes them <u>quick</u> to draw and very <u>easy</u> to <u>understand</u> add MORE batteries</p>	<p>because they are <u>electrical insulators</u> and also very <u>flexible</u> and <u>impermeable</u> the volume of the sound</p>	<p>6 What does the <u>dimmer switch</u> on a radio, control?</p>
<p>8 How could you <u>change a wire</u> to make a bulb <u>dimmer</u>?</p>	<p>use <u>thinner</u> wire or use <u>longer</u> wire the <u>thicker</u> the wire, the <u>brighter</u> the bulb</p>	<p><u>YES</u>, because the switch is '<u>ON</u>' so electricity can <u>flow</u> around the circuit <u>COPPER</u>, because it is an excellent conductor - it's also very <u>flexible</u></p>	<p>7 In a circuit, will a bulb light, if the <u>switch is closed</u>?</p>
<p>PARALLEL</p>	<p>4 How does the <u>thickness</u> of a wire <u>affect the brightness</u> of a bulb?</p>	<p>3 <u>Which metal</u> are most wires made from? Explain why</p>	<p>SERIES</p>