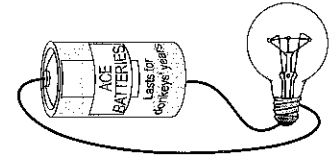


Mixed Questions — Electrical Circuits

Here are a couple of pages that'll give you some more practice of answering questions about electrical circuits. There's a real buzz about them...

1. Look at the circuit shown on the right.
What could you add to this circuit to make the **bulb brighter**?



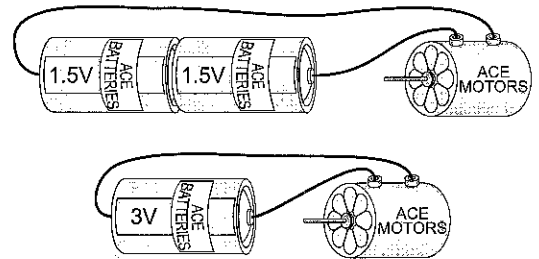
.....

What could you add to this circuit to make the **bulb dimmer**? Explain **why** this would work.

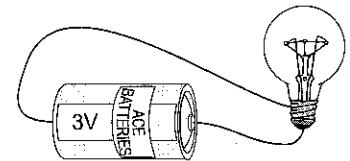
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2. Look at the two motors. Would one of them **turn faster** than the other?
Explain **why** or **why not**.

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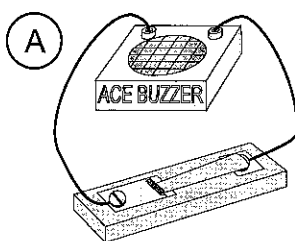


3. Tim has a circuit that contains a **cell** and a **bulb** (shown on the right). The circuit has a **3V** bulb.
Tim wants to make the bulb **brighter** by changing the cell for a **9V** one. Explain why this **isn't** a good idea.

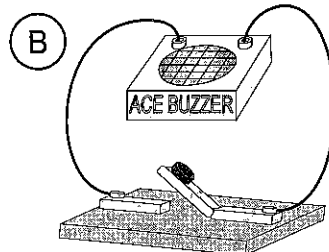


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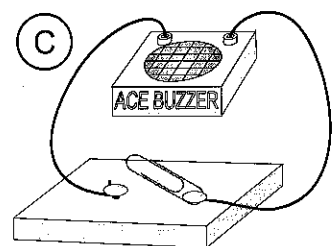
4. **Circle** a word below each of these circuits to show whether each **buzzer** is 'on' or 'off'.



on / off



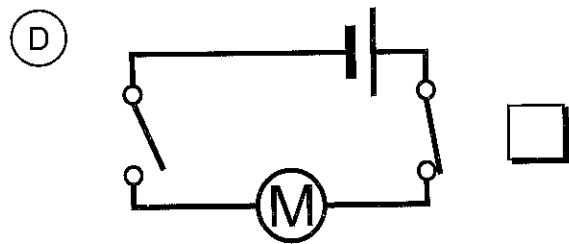
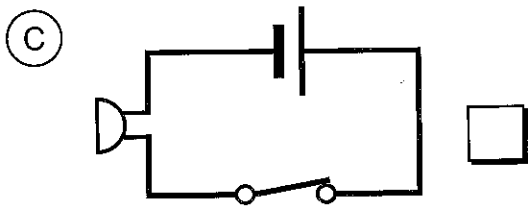
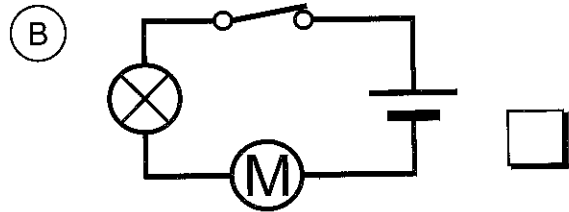
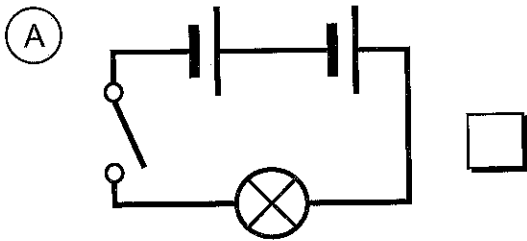
on / off



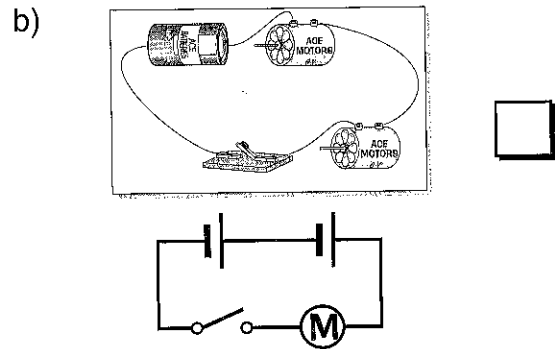
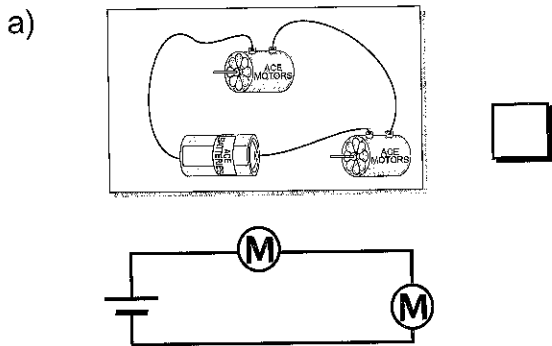
on / off

Mixed Questions — Electrical Circuits

5. Have a look at the circuit diagrams shown below. Put a tick (✓) in the box next to each circuit that is 'complete' and a cross (✗) next to each one that is 'incomplete'.



6. Tick (✓) the circuit diagram Dawn has drawn correctly and put a cross (✗) next to the one she's got wrong.



7. Draw a **circuit diagram** for the circuit shown in the picture below. Use **circuit symbols** for the components.

