



**Cambridge Primary Science 4**

**Check your progress Unit 6**

**Time allowance: 30 minutes**

**Name:** .....

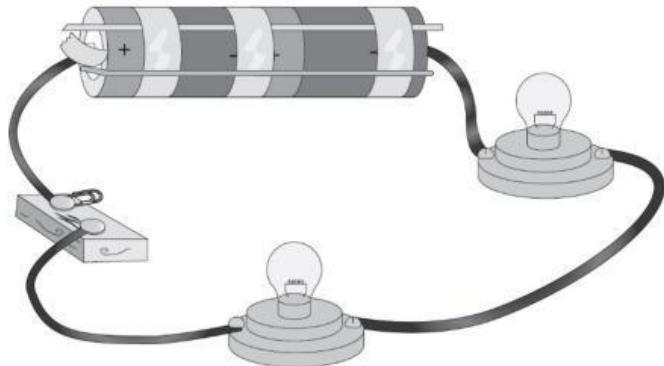
**Mark:** ...../10 =

**Class:** .....

**1** Circle THREE of the following materials that are electrical insulators. [1.5]

**copper**      **glass**      **cork**      **steel**      **aluminium**      **plastic**

**2**



**a** Name FOUR components of this circuit. [3.5]

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b What must you do to close the circuit?

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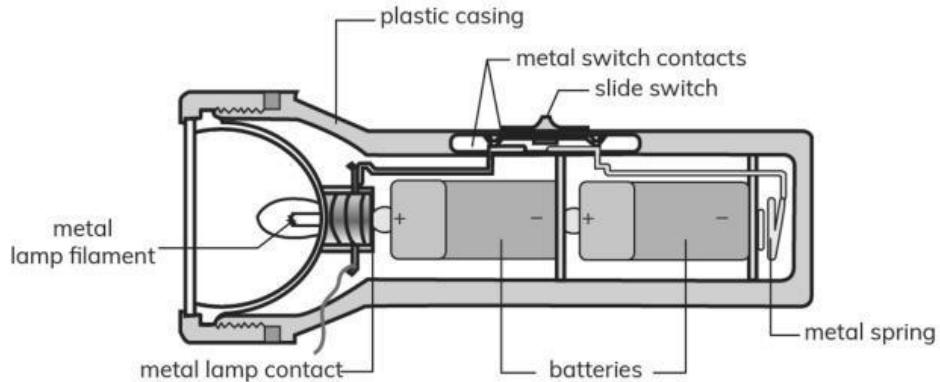
c If you add a third lamp, will the lamps shine more brightly, the same or more dimly?

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d If you add a third battery, will the lamps shine more brightly, not at all or more dimly?

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3 Here is a picture of the inside of a flashlight. [4]



a List THREE parts of the flashlight that are made of materials that conduct electricity.

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b Name one part of the flashlight that is made of a material that is an electrical insulator.

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c Why does the part you have just named have to be an electrical insulator?

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d How do you close the circuit on the flashlight?

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e Give TWO reasons why the front of the flashlight is made of glass.

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4 a Why does seawater conduct electricity? **[0.5]**

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b What type of water does not conduct electricity? **[0.5]**

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**- THE END -**