

Name \_\_\_\_\_ Date \_\_\_\_\_

## End-of-unit 6 test

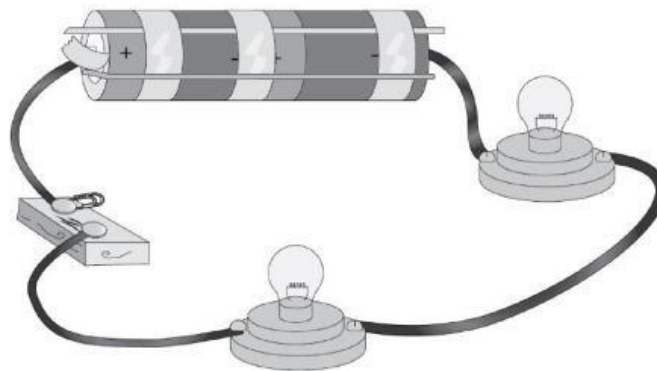
*The End-of-unit tests have been written by the authors.  
These may not fully reflect the approach of Cambridge Assessment International Education.*

20 marks

- 1 Circle THREE of the following materials that are electrical insulators.

<b>copper</b>	<b>glass</b>	<b>cork</b>	<b>steel</b>	<b>aluminium</b>	<b>plastic</b>
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2



- a Name FOUR components of this circuit.

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b What must you do to close the circuit?

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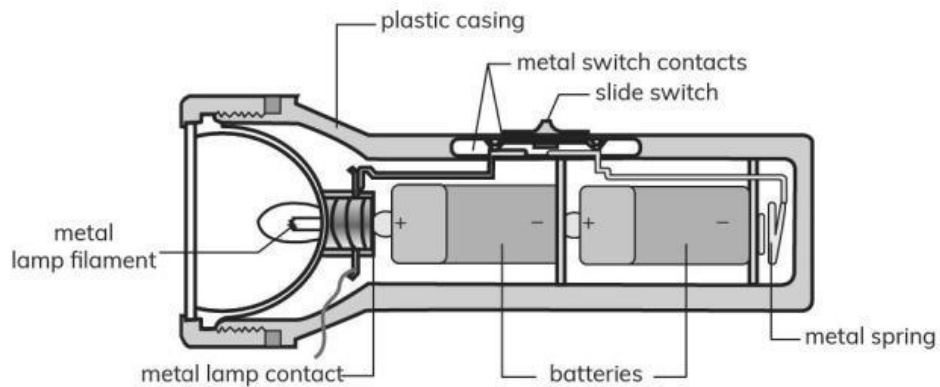
c If you add a third lamp, will the lamps shine more brightly, the same or more dimly?

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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.



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?

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b What type of water does not conduct electricity?

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