



Name:

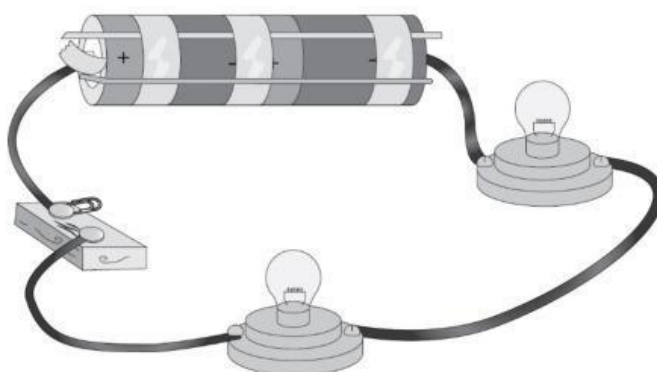
Class:

Mark:/10 =

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

copper	glass	cork	steel	aluminium	plastic
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2



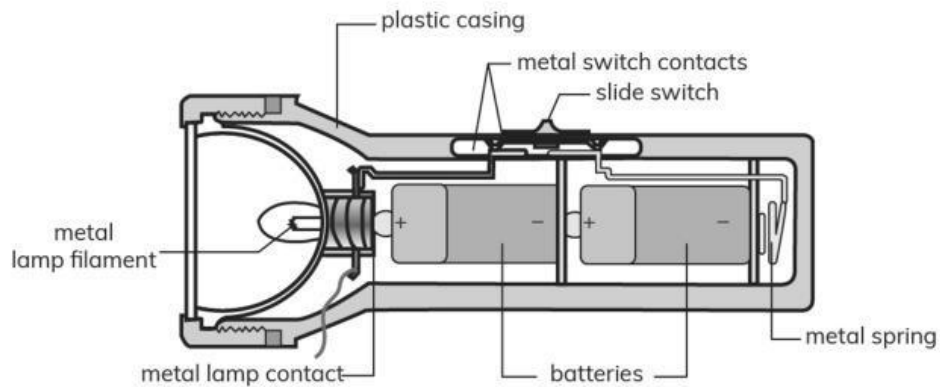
- a** Name FOUR components of this circuit. [3.5]

b What must you do to close the circuit?

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

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

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.

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

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

d How do you close the circuit on the flashlight?

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

4 a Why does seawater conduct electricity? [0.5]

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

- THE END -