CAMBRIDGE International Education

Cambridge International School

Cambridge Primary Science 4

Check your progress Unit 6

Time allowance: 30 minutes

Name: .....

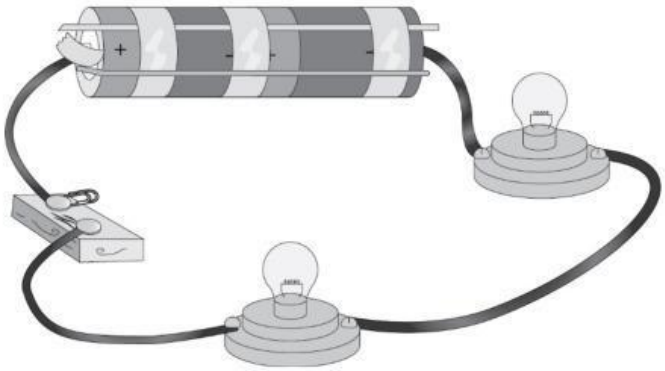
Class: .....

Mark: ...../10 =

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]**

_____

_____

_____

_____

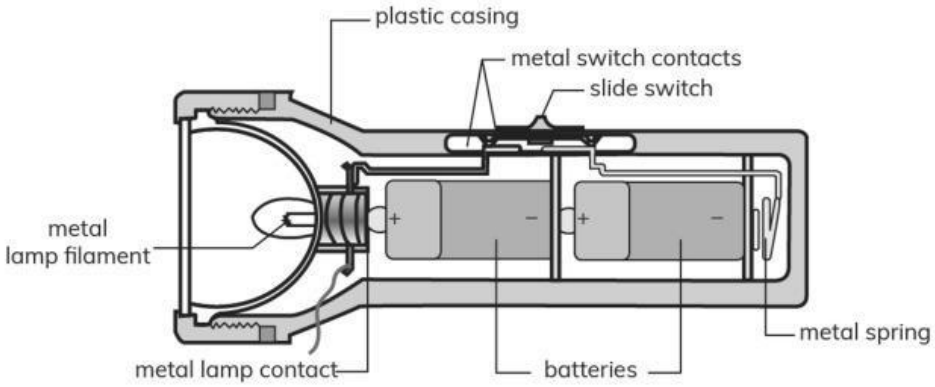
LIVEWORKSHEETS

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.

LIVEWORKSHEETS

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 -

LIVEWORKSHEETS