

Date: _____

Chapter 8, lesson C: Conductors and Insulators (8.C.1)

1. Circle the correct answer.

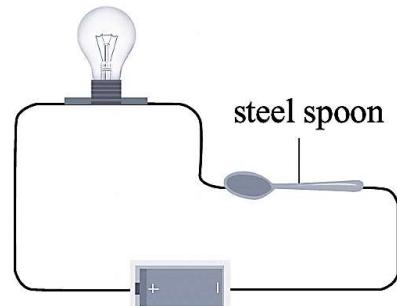
An electrical **insulator** / **conductor** does not allow electric current to flow easily.

2. Write down each object in the correct column in the table.

aluminium pan	copper coin	cotton socks	iron nail
plastic comb	rubber band	steel door handle	wooden chair

Electrical conductors	Electrical insulators
aluminium pan	cotton socks
copper coin	plastic comb
iron nail	rubber band
steel door handle	wooden chair

3. Look at the diagram.



Tick (✓) the box next to the correct statement.



The lamp will light up.



The lamp will not light up.

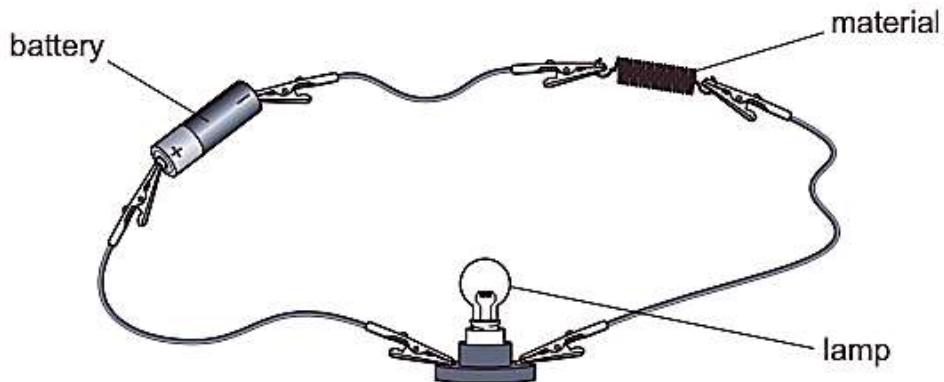
4. Wires in electrical appliances are covered in plastic.

Explain why.

Plastic is an electrical insulator, which doesn't let the electric current to flow through it. Therefore it protects our body from getting an electric shock.

5. Lina investigates different materials.

She adds different materials to an electrical circuit.



(a) Lina wants to find out if the material is an electrical insulator.

What question does she ask to find out if this is true?

Will the lamp turn on?

(b) Lina wants to be safe during the investigation.

Write down one thing she does to be safe.

She has to wear cotton gloves or any material that is an electrical insulator.