

Properties of materials

Name: _____

1 Match each object to the material that it is most likely to be made from.

milk bottle

wood

saucepan

plastic

cupboard

metal

2 marks

2 Tick the transparent object.



nail



glass



bag



rock

1 mark

3 Tick **two** objects that are opaque.



nail



glass



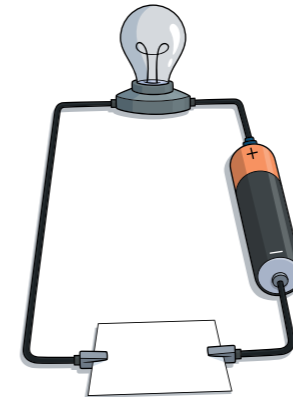
bag



rock

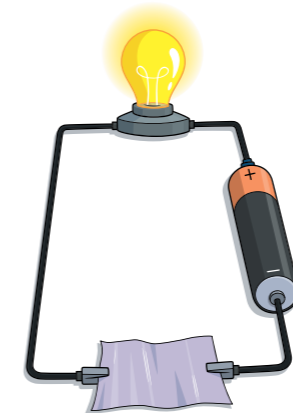
2 marks

4 The diagrams show a different material in each circuit. Is the material a conductor of electricity or not? Circle your answers.



conductor

not a conductor

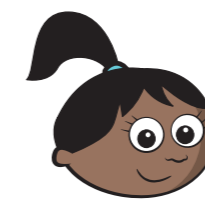


conductor

not a conductor

2 marks

5 Sam is describing a material.



It will let light pass through it, but I cannot see through it clearly.

Which word describes Sam's material?

Tick your answer.

translucent

opaque

transparent

1 mark

6 Here is a cooking pan with two parts labelled, A and B.



Which part of the cooking pan is made from wood? _____

Why do you think it is made from wood?

Which part of the cooking pan is made from metal? _____

Why do you think it is made from metal?

1 mark

1 mark

1 mark

1 mark

7 Choose a word to complete each sentence.

insulator magnet conductor

An electrical _____ allows electricity to pass through it.

An electrical _____ does **not** allow electricity to pass through it.

2 marks

8 Are the statements true or false?

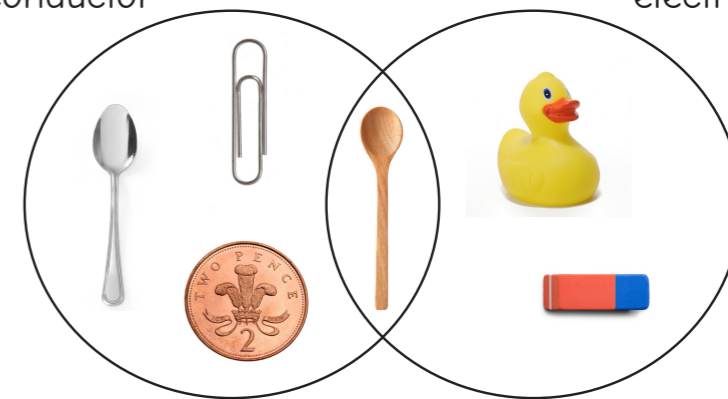
Circle your answers.

A heat insulator allows water to pass through it.	true	false
Plastic is a good heat insulator.	true	false
A heat insulator does not let heat pass through it easily.	true	false
A heat insulator conducts electricity.	true	false

4 marks

9 Whitney has sorted some objects.

electrical conductor electrical insulator



Do you agree with Whitney? _____

Explain your answer.

Suggest another object that is an electrical conductor.

1 mark

1 mark