

Conductors and Insulators

A **conductor** is a material that **allows** electricity to pass through it.

An **insulator** is a material that **does not allow** electricity to pass through it.

| | | | | |
|---------------|---------------|-----------------|-----------|----|
| metal spoon | nail | piece of string | paperclip | |
| drawing pin | ruler | pencil | toy car | 2p |
| 10p | piece of wood | aluminium foil | key | |
| plastic spoon | piece of card | piece of paper | | |

Write the objects in the prediction column in the group you think they belong in. Test the objects and write them in the results column they belong in. Were your predictions correct?

| Conductors | | Insulators | |
|------------|---------|------------|---------|
| Prediction | Results | Prediction | Results |
| | | | |

Conductors and Insulators - Results

What kind of materials will conduct electricity?

What kind of materials will not conduct electricity?

Why are insulators important?
