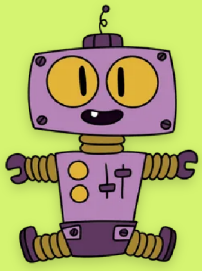
SCIENCE · ELECTRICITY AND CIRCUITS · GRADES 3–5

Conductors and Insulators

Sort ten materials into conductors and insulators, then explain why wires are covered in plastic.



Name: _____ **Date:** _____

A **conductor** lets electricity flow through it. Metals are good conductors. An **insulator** stops electricity. Plastic, rubber, glass and wood are insulators.

1. Write each material in the right column.

a penny · wooden spoon · a metal key · rubber glove · aluminum foil · plastic ruler · steel paper clip · glass · a dry cotton sock · copper wire

Conductors	Insulators

2. Why are electrical wires covered in plastic?

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