

CORE 1 - TECHNOLOGY

Go with the flow

Electricity can flow through some substances more easily than through others. It can flow very easily through substances called "conductors," such as certain metals. An "insulator" is a substance that makes it practically impossible for electricity to flow. Plastics are usually good insulators.

Conductors and Insulators

Materials that transfer heat easily are called **conductors**. One example of a good thermal conductor is **metal**. This is why metal is used to make saucepans for cooking food.



Materials that slow the transfer of heat are called **insulators**. One example of a good thermal insulator is **wool**. This is why wool is used to make winter coats, scarves, hats and gloves.



CORE 1 - TECHNOLOGY

Watch this video.



Match the word with the correct image.

Conductor

Insulator



Wood



Steel







CORE 1 - TECHNOLOGY

INSULATORS & CONDUCTORS


Insulators and Conductors help with the flow of electrical energy.

Insulators stop the transfer of energy. They slow down the energy and make it difficult for it to pass through the object.

Conductors help the transfer of energy. They allow energy to easily pas through the object.

Electrical Insulators	Electrical Conductors
<div data-bbox="86 1290 395 1547"></div> <div data-bbox="448 1290 758 1547"></div> <div data-bbox="261 1563 580 1809"></div>	<div data-bbox="815 1290 1125 1547"></div> <div data-bbox="1177 1290 1487 1547"></div> <div data-bbox="991 1563 1310 1809"></div>
<div data-bbox="97 1854 213 1984"></div> <div data-bbox="454 1843 740 1995"></div> <div data-bbox="240 2011 469 2107"></div> <div data-bbox="724 1995 938 2130"></div> <div data-bbox="986 1877 1230 1966"></div> <div data-bbox="1283 1973 1469 2123"></div>	

NARRATION

A large, empty rounded rectangle with a blue border, intended for narration. The rectangle is white with rounded corners and a thin blue outline, occupying the upper half of the page below the title.