

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.



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Watch this video.



Match the word with the correct image.

Conductor

Insulator



Wood



Steel

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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
     	

NARRATION

A large, empty rectangular box with rounded corners and a blue border, intended for narration. The box is white and occupies the majority of the page below the title.