

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.

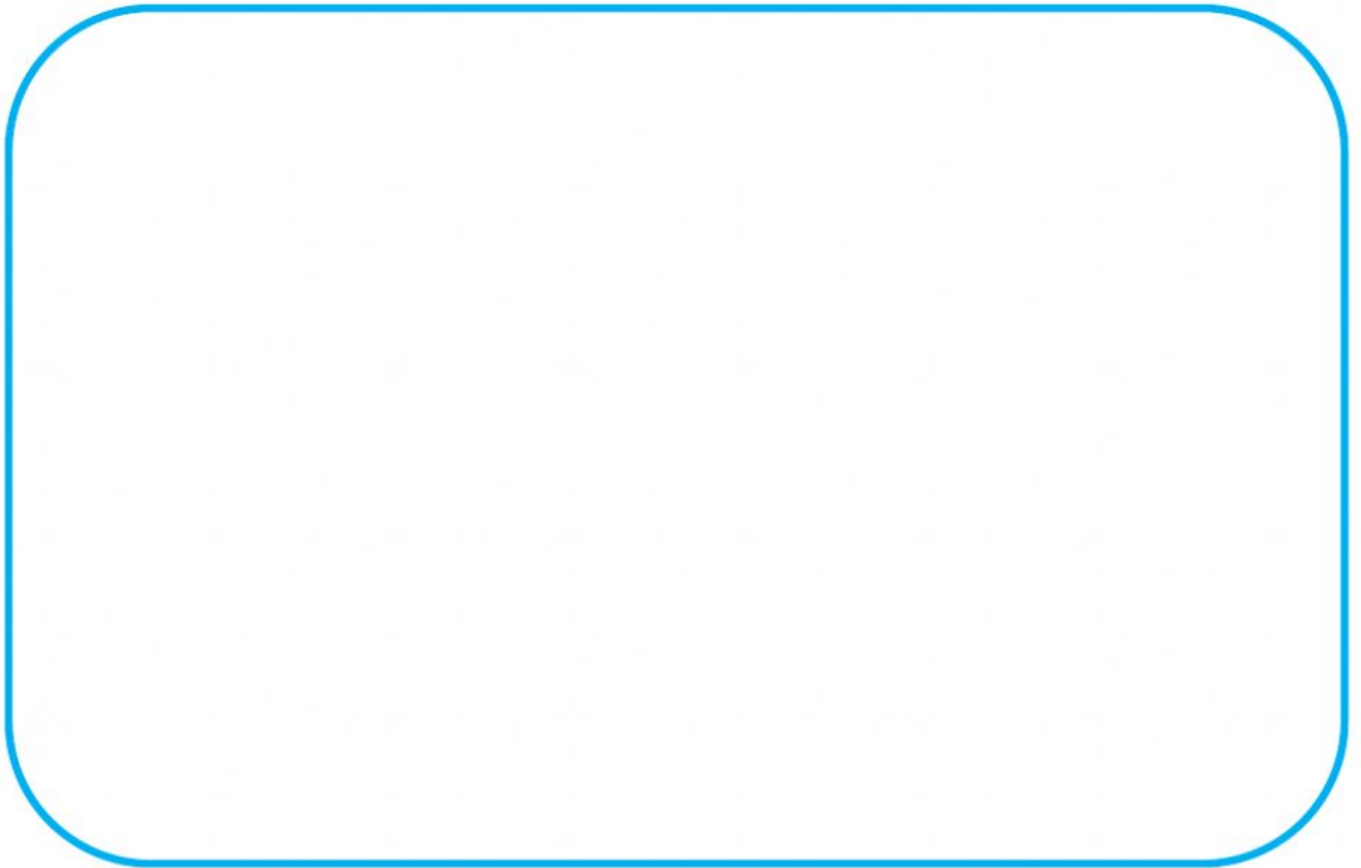


Materials that slow the transfer of heat are called **insulators**. One example of a good thermal insulator is **wool**. This is why wool is used to make winter coats, scarves, hats and gloves.



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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
<div data-bbox="132 1265 421 1505"></div> <div data-bbox="472 1265 762 1505"></div> <div data-bbox="296 1525 596 1753"></div>	<div data-bbox="818 1265 1107 1505"></div> <div data-bbox="1158 1265 1449 1505"></div> <div data-bbox="983 1525 1283 1753"></div>
<div data-bbox="140 1794 252 1917"></div> <div data-bbox="276 1944 491 2033"></div> <div data-bbox="477 1783 746 1928"></div> <div data-bbox="730 1928 932 2056"></div>	<div data-bbox="978 1816 1206 1906"></div> <div data-bbox="1254 1906 1433 2056"></div>

NARRATION

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