

Insulators & Conductors

Do you know the difference between insulators and conductors? Materials act differently when they come in contact with an electric current. Insulators provide difficult paths for electricity, so the current doesn't flow through them. For this reason, insulators can help protect you from electric shock. Conductors provide easy paths for electricity, which means currents pass through them quickly. This makes conductors dangerous around electricity, including lightning.

Can you figure out which of the materials below are insulators and which are conductors?

Place a "I" for Insulator or "C" for conductor next to the picture!



PLASTIC



Glass



WATER



METAL

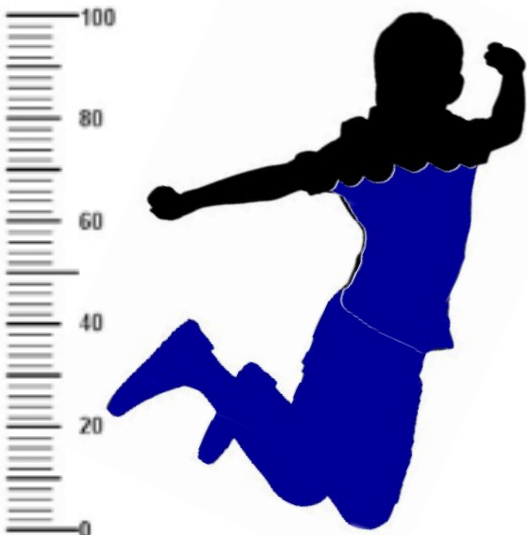


TREES



RUBBER

ANSWERS: Plastic, glass, and rubber are good insulators, and metal, water, and trees are conductors



Electricity is very dangerous for people because our bodies make good conductors. This is because our bodies are composed of mostly water. Do you know the percentage of our bodies that is water?

ANSWER: The human body is composed of 70% water

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