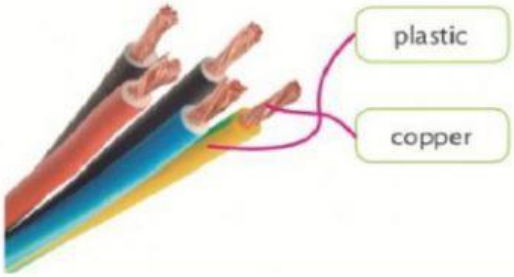
Electrical Conductors and Insulators

A. Match the definitions.

Materials which allow electricity to flow through easily	Electrical insulator
Materials which do allow electricity to flow through easily	Electrical conductor

B. Are they electrical conductors or insulators?

C. Match the materials in the cable. Then, complete the text.



a. _____ is used inside the cable to carry electricity because it is a good _____.

b. _____ is used on the outside of the cable because it is a good _____.

LIVEWORKSHEETS

D. Click on the correct response for the questions below.

1. Which of the sets below contains only conductors?

   A. Gold, silver, plastic

   B. Rubber, plastic, iron

   C. Iron, silver, carbon

   D. Carbon, iron, plastic

2. Electric plugs are made of plastic because _____.

   A. Plastic is stronger than many materials.

   B. Plastic is flexible.

   C. Plastic can protect people from electric shock.

   D. Plastic can be made into various shapes.

3. Insulators do not allow electricity to pass through them. Why are they important in circuits?

   A. They make circuits safe to handle from electric shock.

   B. Electric current will flow only through those insulators.

   C. Appliances will not work if they are exposed to air.

   D. Circuits can get very hot.

LIVEWORKSHEETS