

Name : _____

Conductors and Insulators

Answer the following questions.

1) What is an electrical conductor? Give three examples.

2) What is an insulator? Give three examples.

3) Explain why metals are good conductors of electricity.

4) What do you know about the electrons in a conductor and in an insulator?

5) Draw an example of each.

Conductor of electricity	Insulator of electricity

Name : _____

Answer key

Conductors and Insulators

Answer the following questions.

1) What is an electrical conductor? Give three examples.

An electrical conductor is a substance that allows the flow of electrical current in more than one direction. Examples: Gold, steel and salt water.

2) What is an insulator? Give three examples.

An insulator is a material which does not allow an electric current to pass through. Examples: Wood, plastic and rubber.

3) Explain why metals are good conductors of electricity.

Metals are good conductors of electricity because they have free electrons that can move through the metals allowing electricity to pass.

4) What do you know about the electrons in a conductor and in an insulator?

The outer electrons in a conductor are free to move whereas the outer electrons in an insulator are tightly packed and cannot move.

5) Draw an example of each.

Conductor of electricity	Insulator of electricity
	