

Name - \_\_\_\_\_

Start time - \_\_ : \_\_

End time - \_\_ : \_\_

## Define the following terms:

1. Electric charge - \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2. Electron - \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

## Classify the following materials as conductors or insulators:

Copper wire,	Rubber,	Aluminium foil,	Glass
Plastic rod,	Silver spoon,	Wood,	Iron nail

Conductors	Insulators

## Explain why metals are typically good conductors of electricity.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Explain why electrical wires are often coated with insulating materials. Provide an example of a situation where this is crucial.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_