

:: Introduction to Electricity ::

Electricity -

Types of Electricity:

- a) Static Electricity -
- b) Current Electricity -

Conductors and Insulators:

- a) Conductors -
- b) Insulators -

Conductors	Insulators

Charging Ebonite and Glass Rod (Insulators):

a) Ebonite rod rubbed with fur

	Ebonite Rod	Fur
before contact (neutral)		
after contact (charged)		

b) Glass rod rubbed with cellophane/plastic bag

	Glass Rod	Cellophane/Plastic Bag
before contact (neutral)		
after contact (charged)		

Electrostatic Series:

A list of materials arranged in order of their strength of hold on electrons.

(Weak hold on electrons)

acetate
glass
wool
cat fur, human hair
calcium, magnesium, lead
silk
aluminum, zinc
cotton
paraffin wax
ebonite
plastic
carbon, copper, nickel
rubber
sulphur
platinum, gold

(Strong hold on electrons)

A substance that is lower on the series TAKES electrons (becomes negatively charged) from a substance that is higher on the series.