

Electricity Test Quiz

Electric charge

Unit of charge: _____ (_____)
 metals are electrical _____
 plastic is an example of an _____
 insulating materials can be charged by _____
 positive charge → loss of _____
 negative charge → gain of _____
 unlike charges → _____
 like charges → _____
 eg of use _____ and _____

Mains electricity

hazards of electricity → frayed _____, long cables, damaged _____, water around _____, and pushing _____ objects into sockets
 current in a resistor → electrical transfer of energy and an increase in _____
 power = _____
 $P =$ _____
 Unit of Power: _____ (____)
energy transferred = _____
 $E =$ _____
 mains electricity is _____ current (_____.)
 _____ current (_____) → supplied by a cell or battery
 Unit of current: _____ (____)
 Unit of energy: _____ (____)
 Unit of resistance: _____ (____),

Energy and potential difference in circuits

_____ circuit is more appropriate for domestic lighting
 the current in a _____ circuit depends on the applied voltage and the number and nature of other components
 If resistance is reduced the current will _____ for a given voltage.
 voltage = _____
 $V =$ _____
 current is the rate of _____
 charge = _____
 $Q =$ _____
 electric current in solid metallic conductors is a flow of _____

 voltage is the _____ transferred per unit _____ passed
 Unit: _____ (____) is a joule per coulomb