

Electricity Unit Outline

Electrostatics-Chap 9

- properties of electrostatic charges
- behaviour of charged objects
- infer the kind of charge an object has
- explain several methods of charging and discharging
- identify both positive and negative implications of static charges

Control Of Electricity in Circuits-Chap 10

- explain the functions of components in an electric circuit
- compare static to current electricity
- describe electric potential
- use Ohm's Law with resistance, potential difference and current
- identify safety issues related to electric circuits
- draw, construct and analyze series and parallel circuits

Harnessing Electrical Energy-Chap 11

- calculate the rate of energy use
- identify renewable and non-renewable sources of energy
- compare methods of producing electrical energy
- conduct a family energy audit
- suggest ways to conserve energy

Vocabulary

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Chap 9

discharge

conductor

insulator

electroscope

electrostatic series

ground

static electricity

Quiz-Tuesday

Chap 10

ampere

circuit

current

potential

ohm

resistance

volt

Quiz-Wednesday

Chap 11

efficiency

electrical energy

electrical power

joules

kilowatt

nonrenewable

sustainability

Quiz-Thursday