

9I Energy and electricity

literacy in science

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer all the questions below:

 Click mouse to reveal answer

1) Unscramble the following words:

crrenut

vagolte

sriees

plelral

2) Make three sentences using the following nine words or phrases:

electrical energy
potential difference
steam drives

is transformed
energy transfer
turbine generator

device or component
across a component
electricity

3) Match the word or phrase with the right meaning:

Current

How heat energy spreads through its surroundings

Efficiency

How much energy is wasted by a device

Dissipated

A moving charge around a circuit measured in amps.

9I Energy and electricity

literacy in science

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer all the questions below:

1) Unscramble the following words:

current

voltage

series

parallel

2) Make three sentences using the following nine words or phrases:

electrical energy
potential difference
steam drives

is transformed
energy transfer
turbine generator

device or component
across a component
electricity

3) Match the word or phrase with the right meaning:

Current

A moving charge around a circuit measured in amps.

Efficiency

How much energy is wasted by a device

Dissipated

How heat energy spreads through its surroundings

9I Energy and electricity

complete the sentence

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:

 Click mouse to reveal answer

voltmeter

high

energy

wave

drive

chemical

converts

coal

motor

- a) We use a _____ to measure the potential difference across a component.
- b) A cell or battery converts stored _____ energy into electrical energy.
- c) Fossil fuels like _____ and gas are a store of chemical energy.
- d) A _____ converts electrical energy into kinetic, heat and sound energy.
- e) A bulb _____ electrical energy into heat and light energy.
- f) A _____ potential difference means that a lot of energy is transferred to a device.
- g) Energy efficient light bulbs reduce our demand for _____ .
- h) Renewable energy resources like _____ power can be used to generate electricity.
- i) Steam's kinetic energy is used to _____ a turbine generator, which then produces electricity.

9I Energy and electricity

complete the sentence

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:

voltmeter

high

energy

wave

drive

chemical

converts

coal

motor

- a) We use a voltmeter to measure the potential difference across a component.
- b) A cell or battery converts stored chemical energy into electrical energy.
- c) Fossil fuels like coal and gas are a store of chemical energy.
- d) A motor converts electrical energy into kinetic, heat and sound energy.
- e) A bulb converts electrical energy into heat and light energy.
- f) A high potential difference means that a lot of energy is transferred to a device.
- g) Energy efficient light bulbs reduce our demand for energy.
- h) Renewable energy resources like wave power can be used to generate electricity.
- i) Steam's kinetic energy is used to drive a turbine generator, which then produces electricity.