

71 Energy resources

Extension questions

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

web: www.science-interactive.co.uk

Answer the following questions:



Click mouse to reveal answer

- Q1. What do you call an energy source that can be replaced indefinitely?
- Q2. Name a solid fuel formed millions of years ago from dead plant matter?
- Q3. Name a liquid fuel formed millions of years ago from dead sea creatures?
- Q4. What gas is Bunsen burner fuel?
- Q5. What type of energy is generated from disintegrating atoms ?
- Q6. What do we call energy from the sun?
- Q7. Name a fuel for nuclear power stations?
- Q8. What gas is needed to let fuel burn?
- Q9. What do you call something that can catch light?
- Q10. What is the most useful form of energy?
- Q11. What do we call energy from beneath the earth's surface?
- Q12. In a power station, what spins as water or air flows through it?
- Q13. What transforms rotational kinetic energy into electricity?
- Q14. What type of power comes from water stored behind a dam?
- Q15. What type of power comes from the peaks and troughs on the sea?
- Q16. What type of energy comes from the effect of the moon's gravity on the oceans?

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Answers:

- A1. Renewable
- A2. Coal
- A3. Oil
- A4. Methane
- A5. Nuclear
- A6. Solar
- A7. Uranium
- A8. Oxygen
- A9. Flammable
- A10. Electrical
- A11. Geothermal
- A12. Turbine
- A13. Generator
- A14. Hydro-electric
- A15. Wave power
- A16. Tidal

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multiple choice

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Click mouse to reveal answer

1: Coal or natural gas are very good examples of ?

A A compound

B A fossil fuel

C A renewable fuel

D A bio-fuel

2: Coal and natural gas are combusted to produce heat. This then ?

A Heats our homes

B Drives a generator

C Makes steam

D Make more fuels

3: The energy trapped in fossil fuels like crude oil and coal is ?

A Heat energy

B Fossil energy

C Chemical energy

D Sound energy

4: This device uses the kinetic energy in wind to generate electricity ?

A A power station

B A solar panel

C A wind turbine

D A hydroelectric dam

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multiple choice

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literacy in science

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

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Answer all the questions below:

 Click mouse to reveal answer

1) Unscramble the following words:

uefl

yegren

cuostmbion

hecncial

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

during combustion

fossil fuels

renewable energies

chemical energy

store trapped

generate

heat energy

energy

electricity

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

Fuel

A fuel made from the products of plants or waste material

Renewable energy

A substance that releases energy when it is burned

Biofuel

A energy resource that will not run out

Answer all the questions below:

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complete the sentence

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Place the right word or words to complete the sentence:

 Click mouse to reveal answer

energy

water

device

coal

joules

bulb

dead

fossil

source

- a) The unit of energy is _____ or kilojoules.
- b) Energy can be transferred from type to another using a _____.
- c) A fuel like _____ or natural gas is a concentrated source of chemical energy.
- d) We can conserve fuels by using less _____ in our daily lives.
- e) Coal, oil, natural gas and peat are all forms of _____ fuels.
- f) When you burn a fuel, two waste products are formed, _____ and carbon dioxide.
- g) Coal is formed from the fossilised remains of _____ plants like trees.
- h) The sun is the _____ of almost all the Earth's energy resources.
- i) Using an energy efficient light _____ can decrease the cost of your electricity.

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complete the sentence

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