

Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

atiodinra

coectionv

ablenerew

effiencyci

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

heat transfer
conduction
energy resources

hot objects
convection
renewable

cooler surroundings
radiation
electricity generation

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

Conduction



A network of cables transporting electricity across the country

Efficiency



Transfer of heat energy in solids from atom to atom

National grid



The useful energy output divided by the total input energy

Answers:

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radiation

convection

renewable

efficiency

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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

cooler

rate

good

nuclear

heat

wind

generate

easily

device

- a) Heat is transferred to _____ surroundings by conduction, radiation and convection.
- b) Dark objects are _____ absorbers and emitters of thermal radiation.
- c) Metals are good conductors of _____ energy. This is why they feel 'cold' to the touch.
- d) The efficiency of a _____ tells us how good it is at transferring energy into useful forms.
- e) Electrical energy is very useful because it is _____ transformed to other energy forms by devices like toasters, bulbs and televisions.
- f) Power is the _____ at which a device like a toaster or television transforms energy.
- g) Using renewable energies to _____ electricity doesn't contribute to global warming.
- h) An average _____ power station only uses approximately 1 kg of fuel every day.
- i) By 2020, the UK will generate about 10% of its electricity by using _____ power.

complete the sentence

Place the right word or words to complete the sentence:

 [Click mouse to reveal answer](#)

cooler

rate

good

nuclear

heat

wind

generate

easily

device

- a) Heat is transferred to cooler surroundings by conduction, radiation and convection.
- b) Dark objects are good absorbers and emitters of thermal radiation.
- c) Metals are good conductors of heat energy. This is why they feel 'cold' to the touch.
- d) The efficiency of a device tells us how good it is at transferring energy into useful forms.
- e) Electrical energy is very useful because it is easily transformed to other energy forms by devices like toasters, bulbs and televisions.
- f) Power is the rate at which a device like a toaster or television transforms energy.
- g) Using renewable energies to generate electricity doesn't contribute to global warming.
- h) An average nuclear power station only uses approximately 1 kg of fuel every day.
- i) By 2020, the UK will generate about 10% of its electricity by using wind power.