FORMS OF ENERGY-SET-1

1

Which form of energy do we receive directly from the Sun?

A chemical

B light

C nuclear

D sound

MS-1 B

2

Which form of energy is used to generate electrical energy in a tidal power station?

A chemical energy

B gravitational energy

C internal energy (thermal energy)

D nuclear energy

MS-2 B

3

Which line in the table gives an example of the stated form of energy?

	form of energy	example
A	gravitational	the energy due to the movement of a train
B	internal	the energy due to the flow of cathode rays in a cathode ray tube
C	kinetic	the energy due to the position of a swimmer standing on a high diving board
D	strain	the energy due to the compression of springs in a car seat

MS-3 D

4	Electricity can be obtained from different energy resources. Which energy resource is used to obtain electricity without producing heat to boil water? **A** coal **B** geothermal **C** hydroelectric **D** nuclear
MS-4	C
5	Energy is stored in a battery and in a box of matches. Which type of energy is stored in each of them? | | a battery | a box of matches | |---|---|---| | **A** | chemical | chemical | | **B** | chemical | internal (thermal) | | **C** | electrical | chemical | | **D** | electrical | internal (thermal) |
MS-5	A
6	Which row gives an example of the stated form of energy? | | form of energy | example | |---|---|---| | **A** | gravitational | the energy due to the movement of a train along a level track | | **B** | internal | the energy due to the flow of cathode rays in a cathode-ray tube | | **C** | kinetic | the energy due to the position of a swimmer standing on a high diving board | | **D** | strain | the energy due to the compression of springs in a car seat |
MS-6	D

7	Which energy resource is used to generate electricity by first boiling water? **A** hydroelectric **B** nuclear fission **C** tides **D** waves
MS-7	B
8	Which energy resource is used to generate electricity without using any moving parts? **A** geothermal **B** hydroelectric **C** nuclear **D** solar
MS-8	D
9	Which source of energy involves the splitting of heavy atoms? **A** chemical energy **B** geothermal energy **C** hydroelectric energy **D** nuclear energy
MS-9	D

10	Energy is released in some nuclear reactions. Which nuclear reaction takes place in a nuclear power station, and which nuclear reaction takes place in the Sun? **A** nuclear power station: fission; the Sun: fission **B** nuclear power station: fission; the Sun: fusion **C** nuclear power station: fusion; the Sun: fission **D** nuclear power station: fusion; the Sun: fusion
MS-10	B
11	Which energy resource does **not** derive its energy from the Sun? **A** geothermal **B** hydroelectric **C** oil **D** waves
MS-11	A