

FORMS OF ENERGY-SET-1

1	<p>Which form of energy do we receive directly from the Sun?</p> <p>A chemical</p> <p>B light</p> <p>C nuclear</p> <p>D sound</p>															
2	<p>Which form of energy is used to generate electrical energy in a tidal power station?</p> <p>A chemical energy</p> <p>B gravitational energy</p> <p>C internal energy (thermal energy)</p> <p>D nuclear energy</p>															
3	<p>Which line in the table gives an example of the stated form of energy?</p> <table><tr><td></td><td>form of energy</td><td>example</td></tr><tr><td>A</td><td>gravitational</td><td>the energy due to the movement of a train</td></tr><tr><td>B</td><td>internal</td><td>the energy due to the flow of cathode rays in a cathode ray tube</td></tr><tr><td>C</td><td>kinetic</td><td>the energy due to the position of a swimmer standing on a high diving board</td></tr><tr><td>D</td><td>strain</td><td>the energy due to the compression of springs in a car seat</td></tr></table>		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
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4	<p>Electricity can be obtained from different energy resources.</p> <p>Which energy resource is used to obtain electricity without producing heat to boil water?</p> <p>A coal</p> <p>B geothermal</p> <p>C hydroelectric</p> <p>D nuclear</p>															

5	<p>Energy is stored in a battery and in a box of matches.</p> <p>Which type of energy is stored in each of them?</p> <table><tr><td></td><td>a battery</td><td>a box of matches</td></tr><tr><td>A</td><td>chemical</td><td>chemical</td></tr><tr><td>B</td><td>chemical</td><td>internal (thermal)</td></tr><tr><td>C</td><td>electrical</td><td>chemical</td></tr><tr><td>D</td><td>electrical</td><td>internal (thermal)</td></tr></table>		a battery	a box of matches	A	chemical	chemical	B	chemical	internal (thermal)	C	electrical	chemical	D	electrical	internal (thermal)
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7	<p>Which energy resource is used to generate electricity by first boiling water?</p> <p>A hydroelectric</p> <p>B nuclear fission</p> <p>C tides</p> <p>D waves</p>															
8	<p>Which energy resource is used to generate electricity without using any moving parts?</p> <p>A geothermal</p> <p>B hydroelectric</p> <p>C nuclear</p> <p>D solar</p>															

9	<p>Which source of energy involves the splitting of heavy atoms?</p> <p>A chemical energy</p> <p>B geothermal energy</p> <p>C hydroelectric energy</p> <p>D nuclear energy</p>															
10	<p>Energy is released in some nuclear reactions.</p> <p>Which nuclear reaction takes place in a nuclear power station, and which nuclear reaction takes place in the Sun?</p> <table><tr><td></td><td>nuclear power station</td><td>the Sun</td></tr><tr><td>A</td><td>fission</td><td>fission</td></tr><tr><td>B</td><td>fission</td><td>fusion</td></tr><tr><td>C</td><td>fusion</td><td>fission</td></tr><tr><td>D</td><td>fusion</td><td>fusion</td></tr></table>		nuclear power station	the Sun	A	fission	fission	B	fission	fusion	C	fusion	fission	D	fusion	fusion
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11	<p>Which energy resource does not derive its energy from the Sun?</p> <p>A geothermal</p> <p>B hydroelectric</p> <p>C oil</p> <p>D waves</p>															