

Energy

Date:

Name:

Class:



Task 1 – Using the words in the list below, fill in the gaps in the following sentences

clockwork toy ~ gravitational energy ~ Elasticity ~ seed ~ trampoline ~ Potential energy ~ elastic energy

_____ is the energy stored within a body or object. A good example of this is fully wound a _____.

_____ is the ability of a material to be stretched or compressed and return to its original form. The surface of a _____ demonstrates this when we jump on it.

An archer drawing back the string in the bow creates _____ which will launch the arrow when they let go.

Dropping an object from a height creates _____; as the object falls it gathers _____.

If a cat, a tin of paint, a sack of flour and pile of books all weigh the same, put a **tick** in the box next to situation below which shows the greatest potential gravitational energy.

A cat sitting on a chair

A tin of paint at the top of a ladder leaning against a first-floor window

A sack of flour on the back of a pickup truck

A pile of books balanced at the top of one flight of stairs



Task 2 – Number the images below to match their corresponding energy type

Electrical 1

Kinetic 2

Chemical 3

Elastic 4

Thermal 5

Sound 6

Light 7



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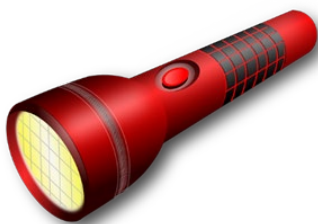


Task 3 - Identify all the types of energy you think are relevant to the images below
The first one has been done as an example...

Gas stove	Jumping man	Light bulb	Food processor	Roller coaster
<i>Chemical energy in the gas canister provides the power to create thermal energy</i>				
Outcome	Outcome	Outcome	Outcome	Outcome
<i>Thermal energy or heat for cooking</i>				



Task 4 – Using the words in the list below, fill in the gaps in the following paragraph
connection ~ electrodes ~ electricity ~ heat ~ batteries ~ negative ~ light ~ potential ~ positive ~ chemical ~ electrons ~ bulb



The torch uses _____ which contain _____ chemical energy.
 Each battery has two terminals or _____ at each end, one _____ and one _____.

The battery contains a _____ called an electrolyte. When the switch is on, a _____ is made allowing electrons to flow between the terminals creating _____, which powers the _____.

The outcome of this transformation is _____ energy however some energy is lost through _____.