

# 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 ~ speed ~ 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 forms \_\_\_\_\_ which will launch the arrow when they let go.

An object dropped from a height has \_\_\_\_\_; as the object falls it gathers \_\_\_\_\_.

If a cat, a tin of paint, a sack of flour and a pile of books all weigh the same, put a **tick** in the box next to the **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** – Use a line to match the types of energy listed with the relevant images below

Electrical

Kinetic

Chemical

Elastic

Thermal

Sound

Light



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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
Once lit, the chemical energy in the gas canister transforms into thermal energy				
Outcome	Outcome	Outcome	Outcome	Outcome
Thermal energy or heat for cooking				



**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 forming \_\_\_\_\_, which powers the \_\_\_\_\_.

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