Energy :)

What is it?

- ·the ability to do work or cause change
- ·can be caused by a force
- ·measured in Joules (J)

Types of energy

·Potential energy

-stored energy

-no movement occurs

·Kinetic energy

- moving energy

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Gravitational Energy

- ·has the ability to fall because of gravity
- ·the higher off the ground, the more gravitational energy
- the greater the mass, the more potential energy
- ·examples
  - ball at top of hill
  - skydiver waiting to jump out of plane

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Elastic Energy

- ·form of potential energy
- ·has the ability to stretch
- ·the more the stretch, the more elastic energy it has

Nuclear Energy

- ·Stored energy in the nucleus of an atom
- ·when particles collide, nuclear reactions happen

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Chemical Energy

- ·Stored within the chemical bonds of matter
- ·Released when reacted with other substances

can be released when these substances react to form new substances.

- batteries
- sugar/food

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