NOTES: Forms of Energy

All energy falls into two categories:

- Potential Energy: stored energy and energy of position.
- Kinetic Energy: motion of waves, electrons, atoms, molecules and substances.

What forms of energy are there?

POTENTIAL	KINETIC
A. Chemical Energy	D. Radiant Energy
B. Nuclear Energy	E. Electrical Energy
C. Gravitational Energy	F. Mechanical
D. Elastic Energy	G. Sound
	H. Thermal Energy

How will we ever remember these?! Just remember the sentence:

Cam Newton got everyone really excited making stinky tacos.

Cam = Chemical
Newton = Nuclear
Got = Gravitational
Everyone = Elastic

> PE

Really = Radiant
Excited = Electrical
Making = Mechanical
Stinky = Sound
Tacos = Thermal

> KE

Sentence	Energy	Definition	Example
1. Cam	Chemical PE	Energy stored in the bonds of atoms and molecules	matches, batteries, gasoline, food
2. Newton	Nuclear PE	Energy stored in the nucleus of an atom. The energy that holds the nucleus together	breaking down uranium (Nuclear Power Plants)
3. Got	Gravitational PE	Energy of place or position. Higher = more gravitational energy	ball at top of mountain
4. Everyone	Elastic PE	Energy stored in an objects tension. Distorts an item's volume or shape.	stretched rubberband bowstrings compressed spring
5. Really	Radiant KE	Electromagnetic energy that travels in waves like light	visible light (sun, light bulbs, etc.)
6. Excited	Electrical KE	Movement of electrons.	Lamp, computer, hair dryer
7. Making	Mechanical KE	The movement of a substance from one place to another. Motion	riding a bike, running
8. Stinky	Sound KE	Movement of energy through substances in waves.	bell drum
9. Tacos	Thermal KE	The vibration or movement of atoms and molecules. HEAT	stove boiling water curling iron