

What is Energy?

9/1/2005

Energy can neither be created nor destroyed.

Neither can **binding**. . **Binding** can not be lost. . It can only be **SHIFTED**.

Energy is a **binding change**. . It's a **binding SHIFT**

That's all it is.

Everything is moving on orbital geodesics.

Geodesics are balance paths.

You must understand the important role surroundings play with these geodesic orbital balance paths.

For instance: an electron on an orbital is in a perfect **binding** balance between the nucleus and its surroundings.

Its **binding** to the nucleus exactly equals its **binding** to the surroundings.

If that electron **SHIFTS** some **binding** from the surroundings to the nucleus then it falls to a lower orbital giving off a quantum of energy.

Niels Bohr was awarded the Nobel prize for proving this.

Further inside the atom we get **MUCH MORE** energy if pieces of the nucleus change (**SHIFT**) **binding** with the surroundings.

Iron is the dividing line between fission and fusion energy.

Elements, lighter than iron, give off nuclear energy via a **binding SHIFT** from the surroundings to close nuclei. This is atomic fusion energy.

Elements, heavier than iron, give off nuclear energy via a **binding SHIFT** from the surroundings to close nuclei, also, this is called atomic fission.

Stars are converting all elements so that eventually all that will be left is iron.

You can---theoretically---get atomic energy out of every element except iron.


Iron is the atomic energy ash heap.

When everything is finally turned into iron this universe will be cold and dead.

But **ALL energy** whether it's atomic or chemical is merely a **binding change (SHIFT)** from the surrounding stars to closer binding.

That's all it is.

[Fitz](#)

 [Click Here](#) If you want to fly to a good spot.

[Ampere's Laws](#)

[Fitzpatrick's First Book \(FREE\)](#)

[3D + TIME](#)

[It's all resonances.](#)

[Over 4 Decades of Daniel P. Fitzpatrick's Books, Papers and Thoughts](#)

Over 4 Decades of Fitzpatrick's Books, Papers & Thoughts
<http://www.amperefitz.com/4.decades.htm>

--- In TheoryOfEverything@yahoogroups.com, hemant kumar
<scihifi@y...> wrote:

> What is the exact mechanism through which mass changes into energy and vice-verse through the famous Einstein's equation $E=m.c^2$? What causes the reduced mass to change into energy in a nuclear reaction and not otherwise?

> I know that mass and energy are in fact equivalent and they represent the same physical quantity. We can consider mass as condensed form of energy. Still my question is valid. How and why only a fraction of this condensed form of energy (mass) converts into free energy during any chemical or nuclear reaction and not the whole condensed energy(mass)?

>
> Hemant Kumar