HOW IS 1 THE NEW 6?

At least 99% of energy on Earth comes from the sun in one form: Electromagnetic Energy.

HOW DO WE HAVE DIFFERENT FORMS OF ENERGY ON EARTH?

Energy transfers and transformations are the methods by which energy moves through the world. Energy is never created or destroyed, but it is in a state of constant motion and transformation. Energy arrives to Earth as electromagnetic energy but is quickly distributed to different forms.

Chemical and physical changes take place in systems to produce the different energy families. Each parent energy type has several manifestations. For example, electromagnetic energy includes electric energy (power), visible light, electrostatic energy, magnetic energy, and electromagnetic energy. The diversity of energy on Earth is possible through energy transfers and transformations.

THAT'S ALL WELL AND GOOD BUT SO WHAT?

Energy is in constant flux on Earth moving form one kind to another. Some of these transformations are desirable and others are wasteful. Many of the systems that allow civilized life to go on are terribly energy inefficient because energy is allowed to transfer or transform out of the system. This costs astronomical amounts every year.

This stuff depends on energy transformations and it’s a big deal in your everyday life.

6 ENERGY TYPES ON EARTH

- Mechanical
- Thermal
- Electromagnetic
- Chemical
- Gravitational
- Nuclear