

Dydd Gwener Tachwedd 6

Energy Facts!

We use energy to do everything! There are many different types of energy but they can be divided into ~~two~~ ^{many} main types: kinetic energy and potential energy. Kinetic energy is energy in motion. Potential energy is energy stored in an object at rest.

✓ Energy cannot be created or destroyed, but it can be transferred from one body to the next.

Interesting Energy Facts!

The word energy comes from the Greek word Energieia meaning activity. Albert Einstein developed the formula $E=mc^2$ which is used to calculate the amount of energy.

✓ The calories in the food you eat are a form of chemical energy. Light and sound are both types of energy. Energy is normally measured in a unit called a joule.

Wind turbines are used to convert wind energy into a more useful form of energy such as electricity. During Photosynthesis, plants use energy from the sun to make their own energy food and produce oxygen.

✓ Around 13% of the world's electricity is produced by nuclear power. Solar energy results when sunlight is changed into electricity.

✓ The world's largest solar panel power plant is located in Mojave Desert in the USA. During a chemical reaction, such as when baking soda and vinegar are mixed, together chemical energy is converted to light or heat.

When objects stretch, such as a rubber