

What is Energy?

Definition: Energy is _____
_____.

Energy can change an object's motion, color, shape, temperature, or other qualities.

There are many forms of energy

- Sound
- Light
- Electricity
- Magnetism
- Chemical
- Nuclear
- Mechanical
- Thermal

Energy _____,

but it can _____ from one form of energy to another
form of energy. It can also _____
_____.

Let's examine the example of fireworks.

Can you explain how energy changes when you turn on a lamp?

Can you explain how energy changes in a car's engine?

Every time energy changes form, some amount of energy

Energy can be _____.

If energy can give off heat, what is one way that we can measure energy? _____
_____.

Measurements of energy can be used to identify which devices are more energy efficient. A device is energy efficient when _____
_____.

Have you ever seen those energy-efficiency stickers and labels on appliances, such as refrigerators, dishwashers, or washing machines?

What can you determine about the energy efficiency of a refrigerator that feels hot on the outside?

_____.