






Energy Conversions Worksheet

Energy changes from one kind to another. We never lose any energy. When we use our muscles, the chemical energy is then converted into mechanical energy. We say it is converted. For example, our bodies turn food into chemical energy. We use our muscles and so chemical energy is turned into mechanical energy.

This characteristic of energy is stated in a law called the Law of Conservation of Energy. It states that energy cannot be created or destroyed, but can be changed from one form to another.

Look at the pictures and their descriptions below. Identify the energies involved in each conversion. The first example has been done for you.

| Action | Energy Started With | Energy Transformed (may be more than 1) |
|--|---------------------|--|
| Blow drying  | Electrical | Sound, Thermal, Mechanical |
| Car moving  | | |
| Lamp  | | |
| Bell Ringing  | | |
| Nuclear Power Plant  | | |