

## Energy Transformations

Identify the different types of energy transformation in each picture

Windmill



Energy Transformation: \_\_\_\_\_

Flashlight



Energy Transformation: \_\_\_\_\_

Microwave



Energy Transformation: \_\_\_\_\_

Firecracker



Energy Transformation: \_\_\_\_\_

Bicycle



Energy Transformation: \_\_\_\_\_

Battery



Energy Transformation: \_\_\_\_\_

1. Plants convert \_\_\_\_\_ energy to \_\_\_\_\_ energy.
2. When a match is lit, \_\_\_\_\_ energy converts to \_\_\_\_\_ and \_\_\_\_\_ energy.
3. In the sun, \_\_\_\_\_ energy is converted to \_\_\_\_\_ and \_\_\_\_\_ energy.
4. A windmill converts \_\_\_\_\_ energy to \_\_\_\_\_ energy.
5. A flashlight converts \_\_\_\_\_ energy to \_\_\_\_\_ energy.
6. A microwave converts \_\_\_\_\_ energy to \_\_\_\_\_ energy.
7. When you pedal a bicycle, you convert \_\_\_\_\_ energy to \_\_\_\_\_ energy.
8. A car battery converts \_\_\_\_\_ energy to \_\_\_\_\_ energy.

**Give an example where the following energy changes would take place:**

Electrical to Thermal

Chemical to Mechanical

Chemical to Thermal

Thermal to Electromagnetic

Electrical to Mechanical

Chemical to Electrical