

Energy Transformation Identification

You will look at the pictures and use the list of energy transformation to identify the correct steps of energy transformation

1. Hot Plate

Energy Transformation:



2. Wind Turbine and lightbulb

Energy Transformation:



3. Flashlight

Energy Transformations:



4. Desk Lamp

Energy Transformations:



5. Solar Calculator

Energy Transformations:



6. Lava Lamp

Energy Transformations:



7. Hair Dryer

Energy Transformations:



8. Fan

Energy Transformations:



9. Microwave

Energy transformations:



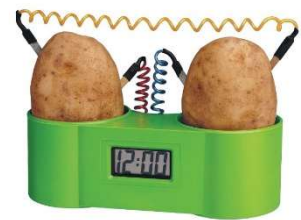
10. CD player

Energy Transformations:



11. Potato Clock



Energy Transformations:



List of Energy Transformations:

Chemical  **Electrical**

Electrical  **Mechanical**  **Mechanical (wind)**

Electrical  **Radiant & Thermal**  **Convection**

Electrical  **Radiant**

Radiant  **Electrical**

Electrical  **Mechanical**  **Thermal**

Chemical  **Electrical**  **Radiant**

Electrical  **Thermal**  **Conduction (to object)**

Electrical  **Radiant**  **Thermal**

Electrical  **Mechanical**  **Sound**

Wind  **Mechanical**  **Electrical**

Answer Key

1. Hot Plate

Energy Transformation:

Electrical → **Thermal** → **Conduction (to object)**



2. Wind Turbine and lightbulb

Energy Transformation:

Wind → **Mechanical** → **Electrical**



3. Flashlight

Energy Transformations:

Chemical → **Electrical** → **Radiant**



4. Desk Lamp

Energy Transformations:

Electrical → **Radiant**



5. Solar Calculator

Energy Transformations:

Radiant → **Electrical**



6. Lava Lamp



Energy Transformations:

Electrical → **Radiant & Thermal** → **Convection**

7. Hair Dryer



Energy Transformations:

Electrical → **Mechanical** → **Thermal**

8. Fan



Energy Transformations:

Electrical → **Mechanical** → **Mechanical (wind)**

9. Microwave



Energy transformations:

Electrical → **Radiant** → **Thermal**

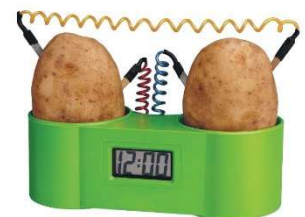
10. CD player



Energy Transformations:

Electrical → **Mechanical** → **Sound**

11. Potato Clock



Energy Transformations:

Chemical → **Electrical**