

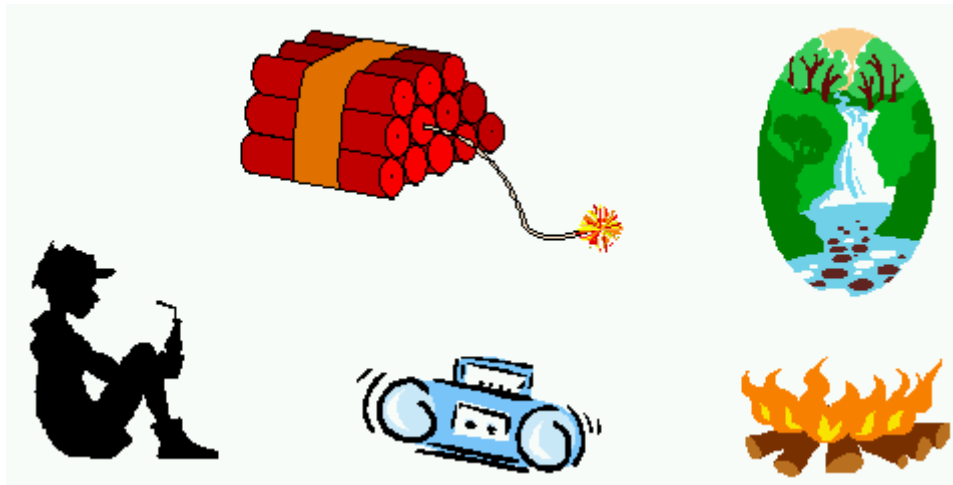
Energy Transformations

Energy transformations occur when one type of energy changes to a different type of energy in the same object.

Examples include:

- Electric light – Electrical energy → Light energy
- Food – Chemical potential energy → Heat and kinetic

Look at the pictures. In the table below, match the energy transformation with the object pictured.



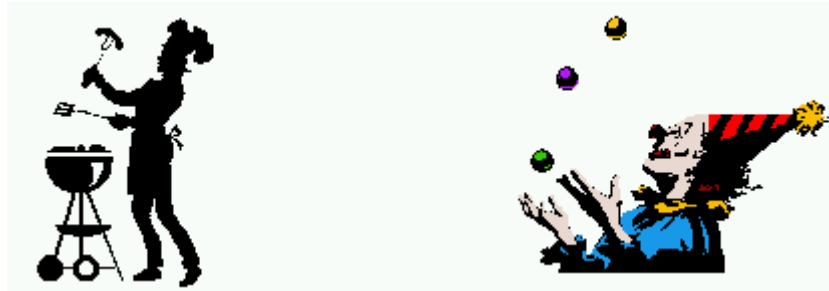
<i>ENERGY TRANSFORMATION</i>	<i>OBJECT</i>
Chemical potential energy → Heat and light energy	Wood burning
Electrical energy → Sound energy	
Chemical potential energy → Heat, light, sound and kinetic energy	
Gravitational potential energy → Kinetic and sound energy	
Chemical potential energy → Heat and kinetic energy	

Energy Transfers

Energy transfers occur when the same type of energy moves from one object to a different object.

Examples include:

- Cooking – Heat energy of stove → Heat energy of saucepan
- Hitting a ball – Kinetic energy of bat → Kinetic energy of ball



The pictures above show energy transfers. Fill in the blanks in the table:

<i>OBJECT</i>	<i>ENERGY TRANSFER</i>
Clown juggling balls	Kinetic energy of _____ → Kinetic energy of _____
Man cooking sausages on a barbecue	Heat energy of _____ → Heat energy of _____