

6.4.2 Energy Transfer

LOs: I can describe the energy transformation taking place in simple situations;


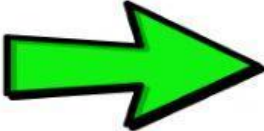

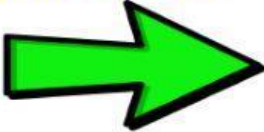

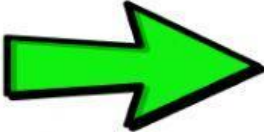

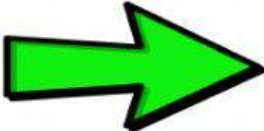
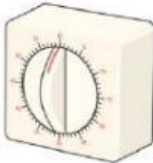
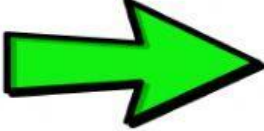
LO: I know that energy is always spread out, diluted or dissipated so as to become less useful;

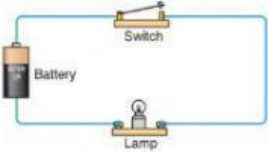
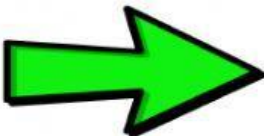
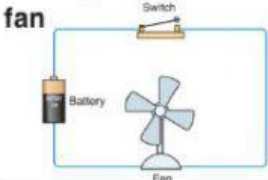
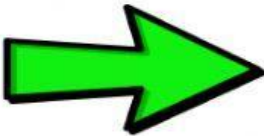



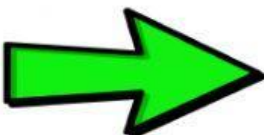
LO: I know the law of Conservation of Energy.

Law of Conservation of Energy:

Energy cannot be _____ or _____ only transferred from one system to another.

Energy Transfer Chains

Diagram	Energy Store (start)	Transfer Pathway	Energy Store (end)
1. Rubbing hands 	Kinetic	Mechanical 	Thermal
2. Shaking a tin of screws 		Mechanical 	Sound (thermal)
3. Striking a match 		Mechanical 	
4. Battery and Bell 			
5. Clockwork timer 			

<p>6. Cell and lamp</p> 			
<p>7. Cell, motor and fan</p> 			
<p>10. Hairdryer Switch on the hairdryer.</p> 			
<p>11. Loudspeaker Switch on the loudspeaker and then switch it off.</p> 			
<p>12. Dropping masses Lift the mass above the sand and drop it.</p> 