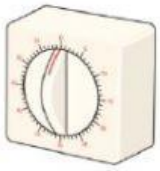
6.4.2 Energy Transfer

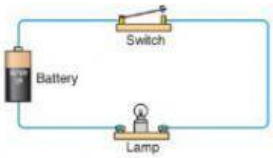
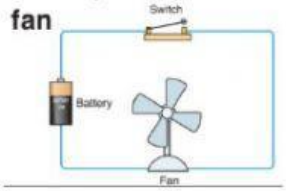
LOs: I can describe the energy transformation taking place in simple situations;
LO: I know that energy is always spread out, diluted or dissipated so as to become less useful;
LO: I know the law of Conservation of Energy.

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 		→	

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