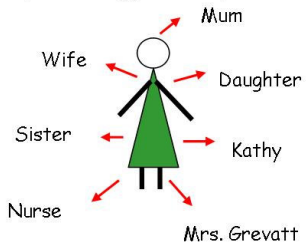
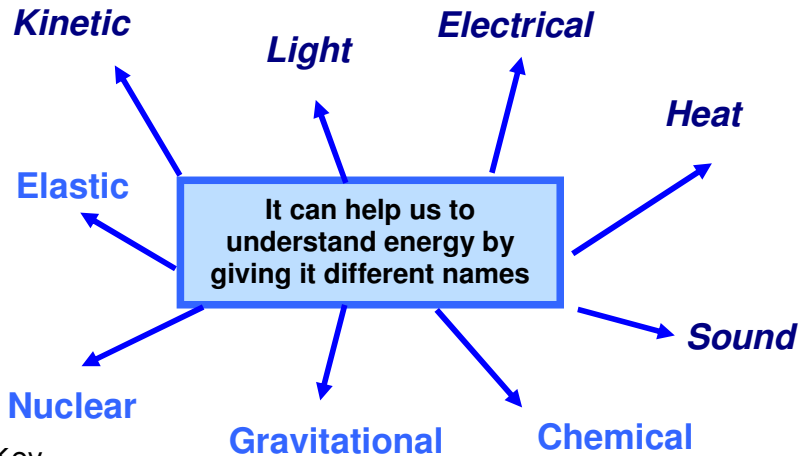


Why is energy like my Mum?



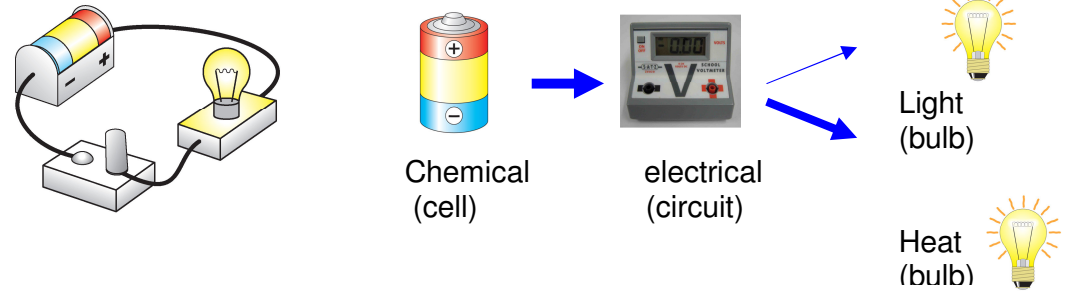
Energy is the ability to do work
Energy cannot be made or destroyed – it can only be changed from one form to another
Energy has no mass and is measured in **Joules (J)** or **Kilo-joules (kJ)**

Energy changes



Key
Energy in action
Potential / stored energy

An example – the energy changes in a circuit



Remember: not all energy is useful; it is often lost to as heat.

100J chemical energy stored in a battery



95J of wasted heat energy

5J of useful light energy

Energy Theory 1
Energy is **transferred** (moved) from one place to another until it is evenly spread.

Energy Theory 2
Energy cannot be destroyed but can be **transformed** (changed) from one kind to another.