## HW Question

- (b) Appliances vary in the amount of electricity they use depending on their power rating. A tumble drier has a high power rating of 2.5 kW.
  - (i) Name another appliance found in the home that has a high power rating.
  - (ii) Name an appliance found in the home that has a low power rating.

The ESB charges for electricity at a rate of 12 cent per kW h. A tumble drier of power rating 2.5 kW is used for 2 hours each week for 4 weeks.

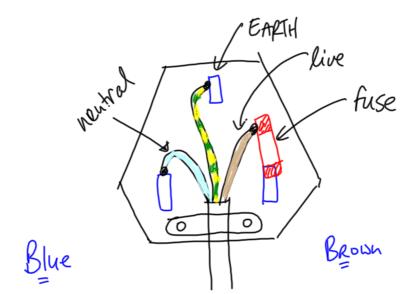
- (iii) How many units of electricity are used?
- (iv) What is the cost, in cent, of using the tumble drier?

(JC, OL, 2006)



units? 
$$kWh$$
! Power x Time = (2.5) (2×4) = 20  $kWh$ 

## Plug



There are 2 types of Current electricity

- · AC [Alternating current] mains 50 Hz
- DC [Direct current] battery

1 Heating effect
- a toaster
uses this



2) Magnetic effect

used by - Radio - fan



3 Chemical Effect

Electrolsis Hoffman's Voltameter

