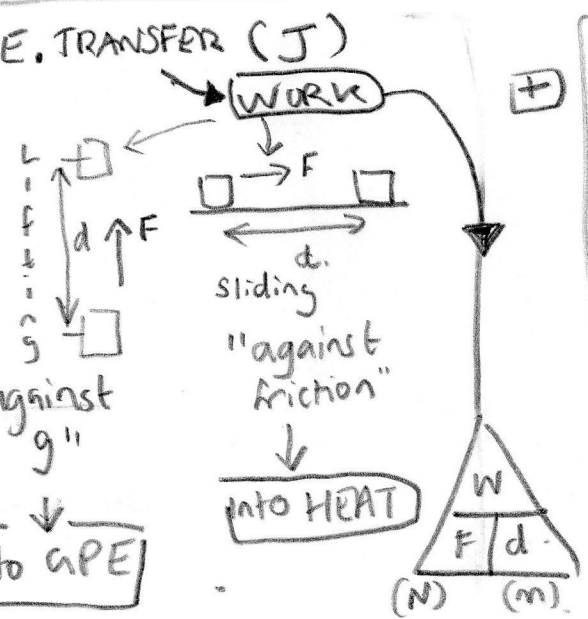
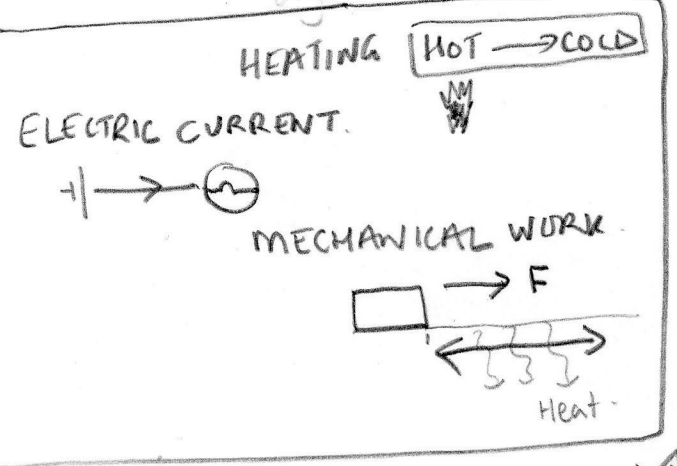


STORE  $\rightarrow$  TRANSFER  $\rightarrow$  STORE

e.g.s.



POWER (W)

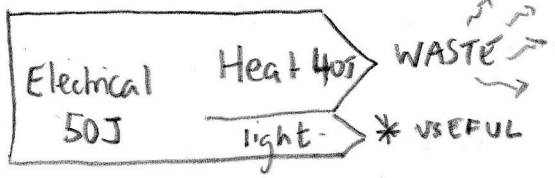
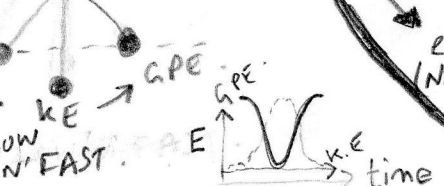
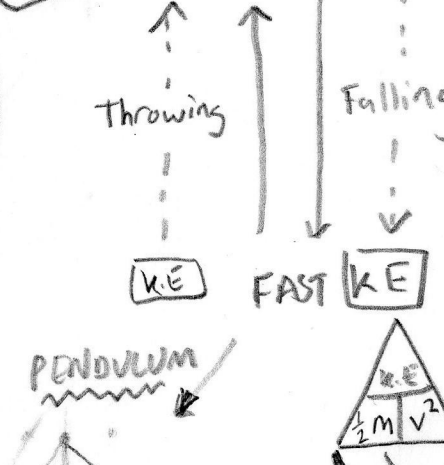
$\rightarrow 60\text{W} = 60\text{J/s}$

beware units

$\frac{E}{P \cdot t}$

1kW = 1000W

1MW = 10<sup>6</sup>W



INEFFICIENT

Efficiency =  $\frac{\text{Out}}{\text{In}} \times 100$

"ENERGY (or W) CANNOT BE CREATED NOR DESTROYED"

LAW

e.g.  $= \frac{40\text{J}}{50\text{J}} = 0.8$

$= \frac{40}{50} \times 100 = 80\%$

100% MAX!!

Energy Conservation & dissipation

what is the unit? H.O.H.O.

What is the unit of power?

RP!!!

Eff of a motor - see SEPARATE SHEET.

