Physics – P2

Energy Transfer by Heating

Headings:

[Changes in Energy Stores](#Changes_in_Energy_Stores)

[Energy Transfers](#Energy_Transfers)

[Work Done](#Work_Done)

[Gravitation Potential](#Gravitational_Potential_Energy)

[Kinetic and Elastic Potential](#Kinetic_and_Elastic_Potential_Energy)

[Energy Dissipation](#Energy_Dissipation)

[Efficiency](#Efficiency)

[Power](#Power)

Equations:

[Work Done = Force x Distance](#Work_Done_EQ)

[GPE Change = mass x gravitational field strength x height change](#Gravitational_Potential_Energy_EQ)

[Kinetic Energy = 0.5 x mass x speed2](#Kinetic_Energy_EQ)

[Elastic Potential = 0.5 x spring constant x extension2](#Elastic_Potential_EQ)

[Efficiency = Useful Power x Total Power](#Efficiency_EQ)

[Power = Energy / Time](#Power_EQ)

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