

IB Physics HL Notes

Energy, Power & Climate Change

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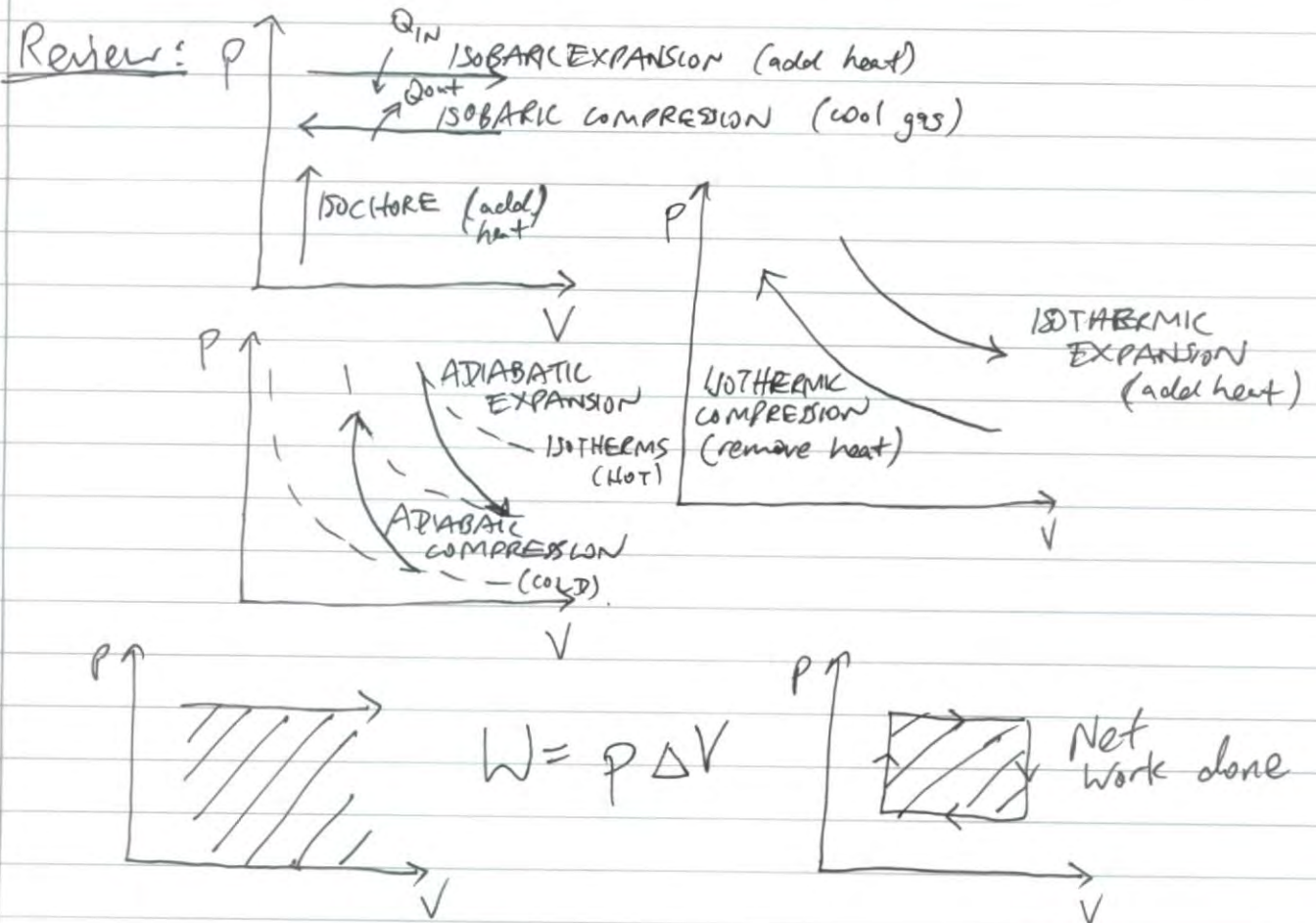
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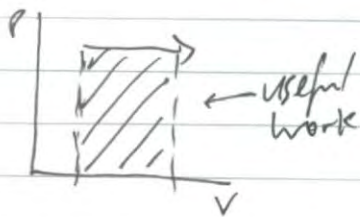
ENERGY, POWER, CLIMATE CHANGE

Date

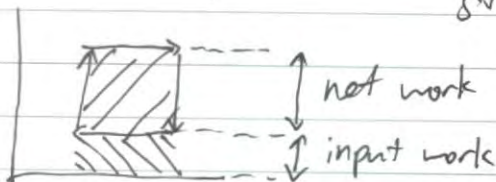
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In a 1-step thermodynamic process we can use/harness all of the energy into useful work.



But, to have a cycle, must input work/energy back to system to put system back to original state.



CYCLICAL PROCESS

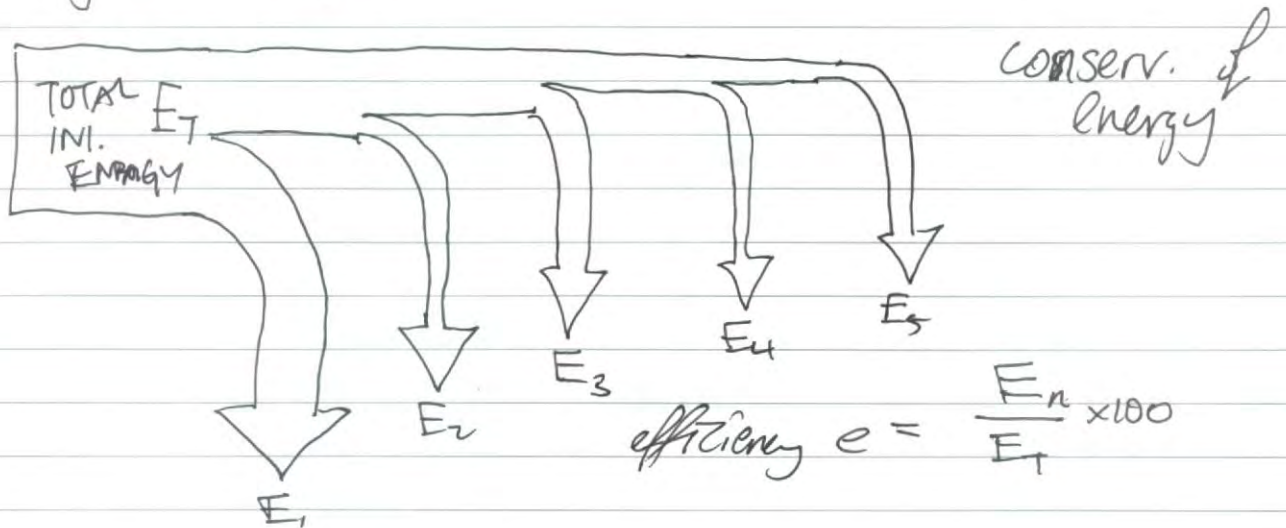
Degraded Energy

Date

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* Energy that cannot be used for useful (mechanical) work.

SANKEY diagrams - show the distribution of energy in a process.



EG for human body running, 35% eff.

