

energy

energy is:

calculated

conserved

dissipated

found in stores

always about a complete process: from snapshot to snapshot

a selection of stores:

chemical

kinetic

thermal

gravitational

nuclear

vibration

electromagnetic

energy flows (from store to store) restrict what is possible

power linked to energy

energy accumulates in stores as a result of power in pathways

power

power is:

calculated

a rate of flow of energy

in a pathway

always about an incomplete process: it's still happening

a selection of pathways:

electrical working

mechanical working

heating by radiation

heating by particles

devices switch power from one pathway to another pathway