

Physics Year 10 revision list

Energy types and systems

- Energy types and systems
- Energy Transfers, Sankey diagrams,
- Efficiency
- Work done
- Power
- Conduction, Convection and Radiation
- Thermal Conductivity
- Thermal insulation

Particle model

- Change of State + Properties
- Gas Particle Model and Brownian
- Pressure
- Density
- Required practical 4
- Internal Energy and Specific Heat Capacity
- Required practical 1
- Latent Heat + Graph
- Latent Heat of Water Practical
- Cooling Curves

Energy

- GPE to KE
- GPE to KE practical
- Hooke's Law
- Elastic Potential Energy
- Specific Heat Capacity

Forces

- Scalars and Vectors
- Resultant forces
- Weight
- Work done
- Hooke's Law
- Required practical 5 -Hooke's Law
- Energy in a Spring
- Newton's Laws
- $F = ma$
- Required practical 6 - $F=ma$
- Velocity
- Acceleration
- Higher only - SUVAT
- Kinetic Energy
- Gravitational Potential Energy
- Distance-Time graph
- Velocity-Time graph
- Terminal Velocity