

AQA Combined Science and Physics revision videos: Physics paper 1

Topic	Subtopic	Video link
Energy	Kinetic energy	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/kinetic-energy/
	Elastic potential energy	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/elastic-potential-energy/
	Gravitational potential energy	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/gravitational-potential-energy/
	Specific heat capacity	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/specific-heat-capacity/
	Energy transfers: Pendulum	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/energy-transfers-pendulum/
	Energy transfers: Bungee jumper	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/energy-transfers-bungee-jumper/
	Work done by a force	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/work-done-by-a-force/
	Calculating power	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/calculating-power/
	Efficiency	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/efficiency/
	Cooling of buildings	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/cooling-of-buildings/
	Required practical: Specific heat capacity	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/required-practical-1-specific-heat-capacity/
	Required practical 2: Thermal insulators (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/required-practical-2-thermal-insulators-triple/
	Energy from fossil fuels	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/energy-from-fossil-fuels/
	Nuclear power	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/nuclear-power/
	The UK energy mix	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/the-uk-energy-mix/
Renewable sources of energy	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/renewable-sources-of-energy/	
Electricity	Current in series circuits	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/current-in-series-circuits/
	Current in parallel circuits	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/current-in-parallel-circuits/
	Potential difference in series circuits	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/potential-difference-in-series-circuits/
	Potential difference in parallel circuits	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/potential-difference-in-parallel-circuits/
	Potential difference from batteries	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/potential-difference-from-batteries/
	Charge in circuits	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/charge-in-circuits/
	Calculating energy transfer by components	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/calculating-energy-transfer-by-components/
	Resistance	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/resistance/
	Resistors	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/resistors/
Resistance of a filament lamp	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/resistance-of-a-filament-lamp/	

	Diodes and LEDs	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/diodes-and-leds/
	Resistors in series and parallel	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/resistors-in-series-and-parallel/
	Light-dependent resistors	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/light-dependent-resistors/
	Thermistors	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/thermistors/
	Required practical: Resistance	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/required-practical-3-resistance/
	Required practical: Current/PD characteristics	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/required-practical-4-current-pd-characteristics/
	Energy transfer by appliances	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/energy-transfer-by-appliances/
	Calculating energy transferred by appliances	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/energy-transfer-by-appliances/
	Power of components	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/power-of-components/
	DC and AC supply	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/dc-and-ac-supply/
	Mains electricity	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/mains-electricity/
	The national grid	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/the-national-grid/
	Static electricity (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/static-electricity-triple/
	Electric fields (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/electricity/electric-fields-triple/
Particle model of matter	Density	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/density/
	Required practical: Density	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/required-practical-5-density/
	Internal energy	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/internal-energy/
	Specific heat capacity	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/energy/specific-heat-capacity-2/
	Heating and cooling graphs	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/heating-and-cooling-graphs/
	Specific latent heat	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/specific-latent-heat/
	Particle motion of gases	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/particle-motion-in-gases/
	Pressure in gases (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/pressure-in-gases-triple/
Atomic structure	Work done on a gas (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/particle-model-of-matter/work-done-on-a-gas-triple/
	Atomic structure	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/atomic-structure/
	Atomic and mass numbers	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/atomic-and-mass-numbers/
	Alpha scattering and the nuclear model	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/alpha-scattering-and-the-nuclear-model/
	Radioactivity	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/radioactivity/
	Properties of alpha, beta and gamma radiation	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/properties-of-alpha-beta-and-gamma-radiation/
	Nuclear equations	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/nuclear-equations/
Half-life	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/half-life/	

	Irradiation and contamination	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/irradiation-and-contamination/
	Background radiation (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/background-radiation-triple/
	Nuclear radiation in medicine (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/nuclear-radiation-in-medicine-triple/
	Nuclear fission and nuclear fusion (Physics only)	https://www.freesciencelessons.co.uk/gcse-physics-paper-1/atomic-structure-and-radioactivity/nuclear-fission-and-nuclear-fusion-triple/