

Topic	Sub topic	Paper
Energy	Energy stores	Paper 1
	Transfers of energy	
	Kinetic energy equation	
	GPE equation	
	EPE equation	
	Power	
	Energy transfers in a system	
	Efficiency	
	Non renewable energy resources	
	Renewable energy resources	

Electricity	Circuit symbols	Paper 1
	Charge	
	Current	
	Current, resistance and PD	

Resistors		
Series circuits		
Parallel circuits		
Direct and alternating current		
Mains electricity		
Electrical power		
Energy transfers in appliances		
The National Grid		
The Particle model of matter	Density	Paper 1
Changes of state		
Internal energy		
Specific heat capacity		

	Specific latent heat	
	Gas pressure	
Atomic structure (Radioactivity)	Structure of an atom	Paper 1
	Mass number, atomic number and isotopes	
	History of the atom	
	Types of radiation	
	Radioactive decay	
	Alpha decay	
	Beta decay	
	Gamma decay	
	Measuring radioactive activity	
	Nuclear equations	

Half life

Contamination and irradiation

Video links

[GCSE Physics - Energy Stores, Transferring Energy & Work Done #1](#)

[Energy Stores - GCSE Physics](#)

[Types of Energy Store - GCSE Physics](#)

[Energy Stores & Systems | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[Energy Transfer | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[\(1\) Energy Transfers - GCSE Physics - YouTube](#)

[GCSE Physics - Kinetic Energy #2](#)

[\(1\) GCSE Physics Revision "Kinetic Energy" - YouTube](#)

[\(1\) Kinetic Energy - GCSE Physics - YouTube](#)

[Kinetic & Gravitational Potential Energy Stores - GCSE Physics | kayscience.com](#)

[Kinetic & Gravitational Potential Energy Stores - GCSE Physics | kayscience.com](#)

[\(1\) GCSE Physics - Gravity, Weight and GPE #3 - YouTube](#)

[\(1\) GCSE Physics Revision "Gravitational Potential Energy" - YouTube](#)

[Gravitational Potential Energy - GCSE Physics](#)

[GCSE Physics Revision "Elastic Potential Energy"](#)

[GCSE Physics - Elastic Potential Energy and \$F = ke\$ Equations #45](#)

[\(1\) Elastic Potential Energy - GCSE Physics - YouTube](#)

[\(1\) Calculating Elastic Potential Energy - Physics GCSE | Kayscience.com - YouTube](#)

[GCSE Physics - Power and Work Done #7](#)

[GCSE Physics Revision "Calculating Power"](#)

[Power - GCSE Physics](#)

[AQA GCSE Physics: Energy Transfers in Systems | Key Concepts for Grades 1-9](#)

[GCSE Physics - Efficiency #8](#)

[GCSE Physics Revision "Efficiency"](#)

[Efficiency - GCSE Physics](#)

[\(1\) Calculating Energy Efficiency - GCSE Physics | kayscience.com - YouTube](#)

[Non-Renewable Energy Resources | GCSE Physics | Doodle Science](#)

[GCSE Physics - Introduction to Energy Sources #9](#)

[GCSE Physics Revision "Energy from Fossil Fuels"](#)

[GCSE Physics Revision "Renewable Sources of Energy"](#)

[GCSE Physics - Wind and Solar #10](#)

[Renewable Energy Resources: Part 1 | GCSE Physics | Doodle Science](#)

[GCSE Physics - Hydroelectricity and Tidal Barrage #13](#)

[\(1\) GCSE Physics - Components #19 - YouTube](#)

[\(1\) Circuit Components and Symbols - GCSE Physics - YouTube](#)

[\(1\) Circuit symbols \(SP10a\) - YouTube](#)

[Current and Charge - GCSE Physics](#)

[GCSE Physics Revision "Charge in Circuits"](#)

[Electric Charge - GCSE Physics](#)

[Electrons vs Charge - GCSE Physics | kayscience.com](#)

[Current and Charge - GCSE Physics](#)

[Current | Electricity | Physics | FuseSchool](#)

[GCSE Physics - Charge, Current & Time #16](#)

[GCSE Physics - \$V = IR\$ Equation & Current/Potential Difference Graphs #15](#)

[Voltage and Resistance - GCSE Physics](#)

[Potential Difference | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[AQA GCSE Physics: Current, Resistance, and Potential Difference | GCSE Explained](#)

[GCSE Physics Revision "Resistors"](#)

[\(1\) Resistors - GCSE Physics - YouTube](#)

[Resistors | Electricity | Physics | FuseSchool](#)

[AQA GCSE Physics: Resistors Explained | Fixed, Lamps, and Diodes](#)

[GCSE Physics Revision "Current in Series Circuits"](#)

[GCSE Physics Revision "Potential Difference in Series Circuits"](#)

[GCSE Physics - Series Circuits #17](#)

[Series Circuits - GCSE Physics](#)

[GCSE Physics Revision "Current in Parallel Circuits"](#)

[GCSE Physics Revision "Potential Difference in Parallel Circuits"](#)

[GCSE Physics - Parallel Circuits #18](#)

[Parallel Circuits - GCSE Physics](#)

[GCSE Physics - Alternating \(AC\) and Direct Current \(DC\) #21](#)

[GCSE Physics Revision "DC and AC Supply"](#)

[Alternating and Direct Current | Electricity | Physics | FuseSchool](#)

[Difference between AC and DC Current Explained | AddOhms #5](#)

[GCSE Physics Revision "Mains Electricity"](#)

[Mains Electricity - GCSE Physics](#)

[AQA GCSE Physics: Mains Electricity Explained | Revision for Grades 1–9](#)

[Electrical Power - GCSE Physics](#)

[AQA GCSE Physics: Electrical Power | Formula and Practical Examples](#)

[GCSE Physics Revision "Energy Transfer by Appliances"](#)

[AQA GCSE Physics: Energy Transfers in Everyday Devices | Key Concepts](#)

[Energy Transfers in Appliances - GCSE Physics](#)

[AQA GCSE Physics: Energy Transfers in Systems | Key Concepts for Grades 1–9](#)

[GCSE Physics Revision "The National Grid"](#)

[GCSE Physics - National Grid #20](#)

[Power Stations & The National Grid | Electricity | Physics | FuseSchool](#)

[AQA GCSE Physics: The National Grid Explained | Transmission and Efficiency](#)

[The National Grid - GCSE Physics](#)

[GCSE Physics - Density #27](#)

[GCSE Physics Revision "Density"](#)

[Density - GCSE Physics](#)

[Density | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[Density Of Different States | Matter | Physics | FuseSchool](#)

[GCSE Chemistry - States of Matter & Changing State #21](#)

[Changes of State | Matter | Physics | FuseSchool](#)

[GCSE Physics - Particle Theory & States of Matter #26](#)

[Heating & Change of State - GCSE Physics](#)

[Changes of State: Boiling, Evaporating & Condensing - GCSE Physics](#)

[GCSE Physics Revision "Internal Energy"](#)

[Internal Energy of a System - GCSE Physics](#)

[Internal Energy - GCSE Physics Revision](#)

[AQA GCSE Physics: Internal Energy | Key Concepts](#)

[GCSE Physics - Internal Energy and Specific Heat Capacity #28](#)

[GCSE Physics Revision "Specific Heat Capacity"](#)

[Specific Heat Capacity | Matter | Physics | FuseSchool](#)

[Specific Heat Capacity | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[Specific Heat Capacity - GCSE Physics](#)

[GCSE Physics - Specific Latent Heat #29](#)

[GCSE Physics Revision "Specific Latent Heat"](#)

[Specific Latent Heat | Matter | Physics | FuseSchool](#)

[Specific Latent Heat | 9-1 GCSE Science Physics | OCR, AQA, Edexcel](#)

[GCSE Physics - Factors Affecting Gas Pressure #30](#)

[GCSE Physics Revision "Particle Motion in Gases"](#)

[Pressure in Gases | Matter | Physics | FuseSchool](#)

[GCSE Physics - Pressure and Volume - How to use the "PV = Constant" Equation #30](#)

[AQA GCSE Physics: Pressure in Gases | Physics Only Topic Explained](#)

[GCSE Physics - What is Pressure? #48](#)

[Pressure in Gases - GCSE Physics](#)

[GCSE Physics - Atomic Structure, Isotopes & Electrons Shells #32](#)

[GCSE Physics Revision "Atomic Structure"](#)

[Structure Of The Atom - GCSE Chemistry | kayscience.com](#)

[GCSE Chemistry Revision "Atomic Number and Mass Number"](#)

[Atomic Number & Mass Number | Properties of Matter | Chemistry | FuseSchool](#)

[Mass Number & Atomic Number - GCSE Chemistry | kayscience.com](#)

[GCSE Chemistry - History of the Model of the Atom #7](#)

[History Of The Atom Timeline - GCSE Chemistry | kayscience.com](#)

[Dalton's Atomic Theory \(History of The Atom\) - GCSE Chemistry | kayscience.com](#)

[The History of Atomic Chemistry: Crash Course Chemistry #37](#)

[GCSE Chemistry Revision "The Nuclear Model of Atomic Structure"](#)

[GCSE Physics Revision "Alpha-Scattering and the Nuclear Model"](#)

[GCSE Chemistry Revision "Alpha Scattering Experiment"](#)

[The 2,400-year search for the atom - Theresa Doud](#)

[History of Atomic Theory](#)

[GCSE Physics - Alpha, Beta and Gamma Radiation #33](#)

[GCSE Physics Revision "Properties of Alpha, Beta and Gamma Radiation"](#)

[Types Of Radiation | Radioactivity | Physics | FuseSchool](#)

[Stable and Unstable Nuclei | Radioactivity | Physics | FuseSchool](#)

[Comparing Alpha, Beta & Gamma Nuclear Decay - GCSE Physics](#)

[AQA GCSE Physics: Radioactive Decay and Nuclear Radiation | Key Concepts Explained](#)

[What Is Alpha Radiation? | Radioactivity | Physics | FuseSchool](#)

[Alpha Decay Equations - GCSE Physics](#)

[Alpha Decay Equations \(with Primrose Kitten\) - GCSE Physics](#)

[Beta Decay Equations - GCSE Physics](#)

[Beta Particles - GCSE Physics](#)

[Gamma & Neutron Decay Equations - GCSE Physics](#)

[Measuring Radiation from Radioactivity for AQA GCSE Physics and GCSE Combined Science](#)

[Background Radiation Dose - GCSE Physics](#)

[Radioactive Activity - GCSE Physics](#)

[Radioactive Activity - GCSE Physics - YouTube](#)

[GCSE Physics - Nuclear Decay Equations #34](#)

[GCSE Physics Revision "Nuclear Equations"](#)

[Nuclear Equations for AQA 9-1 GCSE Physics and Trilogy \(Combined Science\)](#)

[GCSE Physics - Radioactive Decay and Half Life #35](#)

[GCSE Physics Revision "Half Life"](#)

[Half life | Radioactivity | Physics | FuseSchool](#)

[Half-Life | GCSE Physics | Doodle Science](#)

[AQA GCSE Physics: Half-Life and Random Decay | Calculations and Graphs](#)

[GCSE Physics- Half life calculations exam questions walkthrough](#)

[Half-Life - GCSE Physics](#)

[GCSE Physics Revision "Irradiation and Contamination"](#)

[Irradiation & Contamination - GCSE science, Physics \(9-1\)](#)

[5-Minute GCSE Physics: Radioactivity | Half-Life & Contamination and Irradiation](#)

[Contamination vs Irradiation - Summary - GCSE Physics](#)

[Radioactive Contamination - GCSE Physics](#)

