

Ocr Gateway Science P4 P5 P6 Revision

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Ocr Gateway Science P4 P5 P6 Revision

OCR Gateway P4,P5,P6 Intro - GCSE Physics Revision - OCR Gateway P4,P5,P6 Intro - GCSE Physics Revision by Kit Betts-Masters 4,903 views 8 years ago 56 seconds - Walking talking style mock exam questions and answers for **OCR Gateway Physics GCSE**,. Find the Specimen Paper on the **OCR**, ...

The whole of OCR gateway Physics topic 4 - Waves and radioactivity. GCSE Revision - The whole of OCR gateway Physics topic 4 - Waves and radioactivity. GCSE Revision by Primrose Kitten Academy | GCSE & A-Level Revision 7,698 views 4 years ago 21 minutes - I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.

Transverse Wave

Longitudinal Wave

Frequency

Speed of a Wave Wave

Refraction

Sound Wave

Determine Distance

Measure the Speed of a Wave

Electromagnetic Spectrum from Radio Waves

Infrared

Visible Light

A Converging Lens

Ray Diagrams

Diverging Lens

Nucleus

Isotopes of Carbon

Half-Life

Uranium-238

The Use of Radioactivity

Nuclear Fission

Nuclear Fusion

The whole of OCR gateway physics topic 5 - Energy. GCSE Revision - The whole of OCR gateway physics topic 5 - Energy. GCSE Revision by Primrose Kitten Academy | GCSE & A-Level Revision 3,514 views 4 years ago 8 minutes, 5 seconds - I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.

Types of Energy

The Law of Conservation of Energy

Wasted Energy

Change in Thermal Energy

Calculate Work Done

Sankey Diagram

Efficiency

Radiotherapy - Uses of Radiation - OCR Gateway P4 Q5 - GCSE Physics Revision - Radiotherapy - Uses of Radiation - OCR Gateway P4 Q5 - GCSE Physics Revision by Kit Betts-Masters 1,255 views 8 years ago 7 minutes, 55 seconds - This is a six mark question on how we use gamma radiation to treat cancer in radiotherapy. Beams of Gamma rays are rotated ...

Free Ways That We Treat Cancer

How the Treatment Works

How Radio Therapy Works with Society of Rotation

Benefits and Risks

Logic Gates and Relay Circuits - OCR Gateway P6 Q15 - GCSE Physics Revision - Logic Gates and Relay Circuits - OCR Gateway P6 Q15 - GCSE Physics Revision by Kit Betts-Masters 1,481 views 8 years ago 4 minutes, 42 seconds - This one looks like it is about logic gates, but really it is about how to protect circuit boards from high currents. We can separate ...

Series Circuits

Logic Gates Require Low-Voltage

Low-Voltage Circuit

A Relay Isolates the Logic Gates from the Main Circuit

DC Motors - OCR Gateway P6 Q13 - GCSE Physics Revision - DC Motors - OCR Gateway P6 Q13 - GCSE Physics Revision by Kit Betts-Masters 2,402 views 8 years ago 7 minutes, 41 seconds - A Question to explain how an electric motor works. It's quite a complicated situation, but again, you need to just memorise an ...

Diagram of an Electric Motor

Explanation

Change the Direction

Fleming's Left Hand Rule

16. OCR A Level (H046-H446) SLR4 - 1.2 Scheduling - 16. OCR A Level (H046-H446) SLR4 - 1.2 Scheduling by Craig'n'Dave 2,901 views 2 months ago 9 minutes, 22 seconds - OCR, Specification Reference AS Level 1.2.1d A Level 1.2.1d For full support and additional material, please visit our website, ...

Intro

Scheduling: What is Scheduling?

How Does Scheduling Work?

First Come First Serve (FCFS)

Shortest Job First (SJF)

Round Robin (RR)

Shortest Remaining Time (SRT)

Process Blocking

Multi-Level Feedback Queues (MLFQ)

Summary

Key Question

Outro

All of OCR PHYSICS Paper 2 in 35 minutes - GCSE Science Revision (Gateway) - All of OCR PHYSICS Paper 2 in 35 minutes - GCSE Science Revision (Gateway) by Science Shorts 619 views 3 weeks ago 33 minutes - EM Spectrum song: <https://youtu.be/6988votUPFQ>
----- <http://scienceshorts.net> Join the Discord ...

Intro

Waves - transverse & longitudinal
 Sound & seismic waves
 Electromagnetic EM spectrum
 Refraction
 Lenses (TRIPLE)
 Colour & blackbody radiation (TRIPLE)
 Nuclear decay equations
 Nuclear radiation - alpha, beta & gamma
 Radioactivity & half-life
 Fission & fusion (TRIPLE)
 Energy stores
 Energy transfers
 Power & efficiency
 Energy sources
 Stopping distances
 Electrical power, AC/DC, mains & safety
 National grid
 Transformers (TRIPLE)
 Solar system (TRIPLE)
 Satellites & circular motion (TRIPLE)
 86. OCR A Level (H046-H446) SLR14 - 1.4 Tuples, static or dynamic - 86. OCR A Level (H046-H446)
 SLR14 - 1.4 Tuples, static or dynamic by Craig'n'Dave 1,557 views 2 months ago 6 minutes, 53
 seconds - OCR, A Level (H046-H446) Tuples - static or dynamic **OCR**, Specification Reference A
 Level 1.4.2a Why do we disable comments?
 Intro
 Tuples: Are Tuples a Dynamic or Static Data Structure?
 Reality vs Practicality for Your Exams
 At Least We Know an Array is Static... Right?
 Final Thoughts
 For Your Exams
 Key Question
 Outro
 21 GCSE Physics Equations Song - 21 GCSE Physics Equations Song by biologyclarke 702,161
 views 6 years ago 2 minutes, 44 seconds - Ashby School **Physics**, Department presents the '21
GCSE Physics, Equations Song'
 $P = \text{Power (W)}$
 $E = \text{Energy (J)}$
 $R = \text{Resistance}$
 $W = m \times g$
 Kinetic Energy
 $\text{Momentum} = m \times v$
 $F = \text{Force (N)}$
 $e = \text{extension (m)}$
 A Level Biology Revision "Transport of Carbon Dioxide (OCR)" - A Level Biology Revision "Transport
 of Carbon Dioxide (OCR)" by Freesciencelessons 26,328 views 1 year ago 4 minutes, 41 seconds -
 In this video, we look at how carbon dioxide is transported in the blood. First we explore how carbon
 dioxide can be carried in the ...
 Three Ways that Carbon Dioxide Can Be Transported in the Blood
 Carbonic Acid
 Chloride Shift
 OCR GCSE Computer Science Paper 2 in 30 mins - OCR GCSE Computer Science Paper 2 in 30
 mins by MrBrownCS 81,708 views 1 year ago 30 minutes - Giving you a last minute overview of as
 much content I can cram into a 30 minute video on **OCR GCSE**, Computer **Science**, Paper 2 ...
 2.1 Algorithms
 2.2 Programming Fundamentals
 2.3 Producing Robust Programs
 2.4 Boolean Logic
 2.5 Programming Languages and IDEs
 GCSE Physics - Intro to Waves - Longitudinal and Transverse Waves #61 - GCSE Physics - Intro to

Waves - Longitudinal and Transverse Waves #61 by Cognito 885,746 views 4 years ago 6 minutes, 22 seconds - This video covers: - What waves are - How to label a wave. E.g. amplitude, wavelength, crest, trough and time period - How to ...

Introduction

Waves

Time Period

Wave Speed

Transverse and Longitudinal Waves

Traveling Waves: Crash Course Physics #17 - Traveling Waves: Crash Course Physics #17 by Crash-Course 1,703,966 views 7 years ago 7 minutes, 45 seconds - Waves are cool. The more we learn about waves, the more we learn about a lot of things in **physics**,. Everything from earthquakes ...

Main Kinds of Waves

Pulse Wave

Continuous Wave

Transverse Waves

Long Littoral Waves

Intensity of a Wave

Spherical Wave

Constructive Interference

Destructive Interference

GCSE Physics - Alpha, Beta and Gamma Radiation #33 - GCSE Physics - Alpha, Beta and Gamma Radiation #33 by Cognito 717,319 views 4 years ago 4 minutes, 37 seconds - This video covers: - The idea that radioactive materials contain unstable isotopes - What alpha, beta, gamma and neutron ...

Isotopes

Overview

Alpha Radiation

Gamma Radiation

Neutron Radiation

Summary

GCSE Physics - Refraction of waves #63 - GCSE Physics - Refraction of waves #63 by Cognito 356,901 views 4 years ago 5 minutes, 10 seconds - In this video we cover the following: - What 'refraction' means - When refraction occurs - How to draw ray diagrams for the ...

Introduction

What is refraction

Ray diagrams

Diffraction and Communicating with Waves - OCR Gateway P5 Q11 - GCSE Physics Revision - Diffraction and Communicating with Waves - OCR Gateway P5 Q11 - GCSE Physics Revision by Kit Betts-Masters 846 views 8 years ago 3 minutes, 16 seconds - For this one you need to know details about the wave behaviours of light and understand how and why waves are used on Earth ...

The Whole of OCR Gateway Physics topic 3 - Electricity and magnetism. GCSE Revision - The Whole of OCR Gateway Physics topic 3 - Electricity and magnetism. GCSE Revision by Primrose Kitten Academy | GCSE & A-Level Revision 7,918 views 4 years ago 9 minutes, 11 seconds - I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.

Static Electricity

Circuit Symbols

Potential Difference

Resistor

Current in a Series Circuit

Energy

Interpreting Data on Radiation - OCR Gateway Section D Q18 - GCSE Physics Revision - Interpreting Data on Radiation - OCR Gateway Section D Q18 - GCSE Physics Revision by Kit Betts-Masters 752 views 8 years ago 16 minutes - This question asks you to interpret the graph and some data on radioactive dating of teeth using a graph of percentage of ...

Ultrasound and Comparing Waves - OCR Gateway P4 Q3 - GCSE Physics Revision - Ultrasound and Comparing Waves - OCR Gateway P4 Q3 - GCSE Physics Revision by Kit Betts-Masters 1,597 views 8 years ago 5 minutes, 2 seconds - The first part is a simple definition of a longitudinal wave and the second compares ultrasound with x-rays in terms of their danger.

Longitudinal Waves

Longitudinal Wave

Medical Use of Waves

DC Circuits - OCR Gateway P6 Q12 - GCSE Physics Revision - DC Circuits - OCR Gateway P6 Q12

- GCSE Physics Revision by Kit Betts-Masters 1,308 views 8 years ago 12 minutes, 33 seconds -

This one starts with understanding the potentiometer, then an application of Ohm's Law. There is the a graphical question about ...

Experiments with Electricity

Resistances through Wires

Ohm's Law

Kinetic Theory

What the Collisions Do

Parallel Circuit

The whole of OCR Gateway Physics topic 6 - Global challenges. GCSE Revision - The whole of OCR Gateway Physics topic 6 - Global challenges. GCSE Revision by Primrose Kitten Academy | GCSE & A-Level Revision 2,746 views 4 years ago 17 minutes - I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.

The National Grid

Step Up and Step Down Transformers

Renewable Source

Advantage of Solar Power

Mains Electricity in the Uk

Stars

Life Cycle of a Star

Main Sequence Star

Infrared Radiation

Blackbody

Milky Way

Static Electricity and its Uses - OCR Gateway P4 Q1 - GCSE Physics Revision - Static Electricity and its Uses - OCR Gateway P4 Q1 - GCSE Physics Revision by Kit Betts-Masters 6,674 views 8 years ago 5 minutes, 24 seconds - A question on static electricity, including charge and mobile electrons. Also talking about the use of static electricity to ensure even ...

Intro

The only particles that can move

How electrostatics work

How paint works

Satellites, Orbits and their Uses - OCR Gateway Physics P5 Q6 - GCSE Physics Revision - Satellites, Orbits and their Uses - OCR Gateway Physics P5 Q6 - GCSE Physics Revision by Kit Betts-Masters 2,320 views 8 years ago 8 minutes, 57 seconds - In this question you need to know the difference between polar orbits and geostationary orbits of satellites and understand how ...

Low Polar Orbit

Low Polar Orbits

Geostationary Satellite

Why Does a Geostationary Satellite Have To Be Higher

Orbital Period

Happens to the Gravitational Force When the Distance between a Satellite and the Earth Doubles

Explain Why the Speed of a Comet Changes as It Approaches the Sun

The Whole of OCR Gateway GCSE Physics Paper 2 Revision | 16th June 2023 - The Whole of OCR Gateway GCSE Physics Paper 2 Revision | 16th June 2023 by Primrose Kitten Academy | GCSE & A-Level Revision 15,701 views 4 years ago 46 minutes - -full papers -what is the question REALLY asking -hints and tips from examiners -the background behind the question -how to ...

Transverse Wave

Longitudinal Wave

Frequency

Time Period

Speed of a Wave

Electromagnetic Spectrum

Infrared

Visible Light

Types of Radiation Alpha Radiation

Half-Life
Sources of Background Radiation
Uses Radioactivity
Gamma Radiation
The Law of Conservation of Energy
Wasted Energy
Kinetic Energy
Calculate Work Done
Sankey Diagram
Stopping Distance
The National Grid
Step Up and Step Down Transformers
Renewable Source
Solar Power
Fossil Fuels
Nuclear Power
Refraction
Sound Wave
Converging Lens
Ray Diagrams
Diverging Lens
Drawing a Diverging Lens
Nuclear Fission the Breaking Apart of Atoms
Main Sequence Star
Infrared Radiation
Blackbody
Value of Gravity
An Artificial Satellite
Speed and Velocity
P Waves
S Waves
Structure of Earth
The Whole of OCR Gateway Physics Topic 1 - Matter GCSE Science Revision - The Whole of OCR Gateway Physics Topic 1 - Matter GCSE Science Revision by Primrose Kitten Academy | GCSE & A-Level Revision 7,741 views 4 years ago 13 minutes, 41 seconds - I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.
find the number of neutrons
energy is needed to raise temperature
work out the pressure in the system
The Whole of OCR Gateway GCSE Physics Paper 1 Revision | 25th May 2023 - The Whole of OCR Gateway GCSE Physics Paper 1 Revision | 25th May 2023 by Primrose Kitten Academy | GCSE & A-Level Revision 30,343 views 4 years ago 44 minutes - -full papers -what is the question REALLY asking -hints and tips from examiners -the background behind the question -how to ...
Nucleus
Boron
Periodic Table
Model of the Atom
Density
Specific Heat Capacity
Evaporation
The Pressure in the System
Velocity Time Graphs
Work Out Acceleration from Velocities
Resultant Force
Velocity Time Graph
Centripetal Force
The Law of Conservation of Momentum
Newton's Cradle
Inertia

Conservation of Energy
Calculate Work Done
Hookes Law
Change in Gravitational Potential Energy
Circuit Symbols
Potential Difference
Current Temperature Difference Graphs
Light Dependent Resistor
Parallel Circuit
Potential Difference Measured by a Voltmeter
Resistance
Energy
Magnetic Materials
The Generator Effect
Fleming's Left Hand Rule
Magnetic Flux Density
Fluid
Static Electricity
Moving Car Microphone
Transformer
Transformers Calculations
Mains Electricity, Fuses and Double Insulated Appliances - OCR Gateway P4 Q2 - GCSE Physics
Revision - Mains Electricity, Fuses and Double Insulated Appliances - OCR Gateway P4 Q2 - GCSE
Physics Revision by Kit Betts-Masters 2,077 views 8 years ago 5 minutes, 40 seconds - A question
on understanding the use of fuses for electrical devices for safety and to protect the device from
surges of current.
Kettle and a Hairdryer
Third Wire Is an Earth Wire
Earth Wire
What Does Double Insulating Actually Mean
Transformers and Electricity Distribution - OCR Gateway P6 Q16 - GCSE Physics Revision -
Transformers and Electricity Distribution - OCR Gateway P6 Q16 - GCSE Physics Revision by Kit
Betts-Masters 1,065 views 8 years ago 7 minutes, 56 seconds - This question asks you to apply the
transformer equation to work out the number of turns of wire on the secondary coil. It then asks ...
The Diagram of a Transformer
Part B
The Transformer Power Equation
Refraction and Dispersion of Light - OCR Gateway P5 Q9 - GCSE Physics Revision - Refraction and
Dispersion of Light - OCR Gateway P5 Q9 - GCSE Physics Revision by Kit Betts-Masters 1,240 views
8 years ago 8 minutes - This question tests your understanding of refraction and then asks you to
apply information about the refractive index of light of ...
Incident Ray Refracted Ray
Angle of Refraction
Angle of Refraction Is Larger than the Angle of Incidence
Dispersion of Light into the Visible Spectrum
The Rainbow
Search filters
Keyboard shortcuts
Playback
General
Subtitles and closed captions
Spherical videos