



A Level Chemistry A

H432/03 Unified chemistry

Wednesday 20 June 2018 – Morning
Time allowed: 1 hour 30 minutes



You must have:

- the Data Sheet for Chemistry A (sent with general stationery)

You may use:

- a scientific or graphical calculator



First name															
Last name															
Centre number							Candidate number								

INSTRUCTIONS

- Use black ink. You may use an HB pencil for graphs and diagrams.
- Complete the boxes above with your name, centre number and candidate number.
- Answer **all** the questions.
- Write your answer to each question in the space provided. If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- Do not write in the barcodes.

INFORMATION

- The total mark for this paper is **70**.
- The marks for each question are shown in brackets [].
- Quality of extended responses will be assessed in questions marked with an asterisk (*).
- This document consists of **16** pages.

Ocr As Level Chemistry 2013 June Paper

Lesley Johnston

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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web the ripple tank provides an ideal laboratory context for a first study of wave phenomena wave phenomena are ubiquitous in the natural world and have been as a result been studied extensively

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web diffraction diffraction is the bending of a wave around an obstacle or through an opening the closer the obstacle opening is to the wave s wavelength the greater the amount of diffraction the amount of diffraction decreases as the curvature of the diffracted wavefront decreases and the calm area behind the obstacle opening increases

6 9 1 interference ripple tank simulation physics libretexts - Apr 19 2022

web this simulation shows a top view of a source making waves on the surface of a tank of water imagine tapping the surface of a pond with the end of a stick at regular intervals the white circles coming from the spot represents the wave crests with troughs in between

wave phenomena ripple tank experiments university of toronto - Sep 05 2023

web the ripple tank can be used to study almost all the wave properties reflection refraction interference and diffraction in addition to this the wave phase velocity can be investigated at different water depths and in the presence of obstacles of various shapes wave properties the wave speed

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web to measure the frequency wavelength and speed of waves in a ripple tank method set up the ripple tank as shown in the diagram with about 5 cm depth of water adjust the height of the

physicslab ripple tank review - Mar 19 2022

web the bending of a wavefront resulting from a change in medium a waveform pattern representing the superposition of two or more component waveforms the bending of a wavefront through an opening or around an obstacle the bouncing of a wave

off of an interface back into its original medium a line which is perpendicular to a surface

basic experiments with ripple tanks iopspark - Mar 31 2023

web basic experiments with ripple tanks for 14 16 introducing the ripple tank a powerful tool that can help students visualize wave behaviour in general by pointing out that wavefronts are perpendicular to the direction of motion of the wave you can link ripple tank experiments to experiments in optics where rays show the direction of motion

an old experiment revisited the doppler effect in a ripple tank - May 21 2022

web jul 1 2016 the experiment showed a that the doppler shift waves can be visualised clearly using the simplified ripple tank and b that the observed number of waves in such an experiment is consistent