Homework: Level 3 BTEC Applied Science Unit 1 Past Paper Exam Questions

Q1. Answer the question with a cross in the box you think is correct 🖾. If you change your mind about an answer, put a line through the box 🔀 and then mark your new answer with a cross 🖾.

Sodium sulfate is an ionic compound.

Sodium sulfate contains sodium ions (Na*) and sulfate ions (SO₄²-).

(i) Complete Sentence 1.

Sentence 1

(ii) Identify the oxidation number of sulfur in the sulfate ion, SO₂²⁻.

□ A +2

E c +6

D +8

(Total for question = 2 marks)

(11)

(13)

(2).

Q2. Magnesium sulfate is an ionic compound.

Describe the structure of an ionic compound.

(Total for question = 2 marks)

Q3. Sodium chloride is an ionic compound.

One property of ionic compounds is that they conduct electricity when molten or in solution.

They do not conduct electricity when solid.

Past Papers Btec Applications In Science

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Btec First in Application of Science - Study and Exam Practice CGP Books, Richard Parsons, 2013-01-01 BTEC First in Application of Science Study Exam Practice Science for Engineering J. O. Bird, 2003 Engineering science is introduced through examples rather than theory in this book enabling students to develop a sound understanding of engineering systems in terms of the basic scientific laws and principles Science for Engineering John Bird, 2013-01-17 Science for Engineering offers an introductory textbook for students of engineering science and assumes no prior background in engineering John Bird focuses upon examples rather than theory enabling students to develop a sound understanding of engineering systems in terms of the basic laws and principles This book includes over 580 worked examples 1300 further problems 425 multiple choice questions with answers and contains sections covering the mathematics that students will require within their engineering studies mechanical applications electrical applications and engineering systems This new edition of Science for Engineering covers the fundamental scientific knowledge that all trainee engineers must acquire in order to pass their exams It has also been brought fully in line with the compulsory science and mathematics units in the new engineering course specifications Supported by free lecturer materials that can be found at www routledge cw bird This resource includes full worked solutions of all 1300 of the further problems for lecturers instructors use and the full solutions and marking scheme **BTEC First Application of** for the fifteen revision tests In addition all illustrations will be available for downloading **Science** Charlotte Burrows, BTEC National Engineering Mike Tooley, Lloyd Dingle, 2007-09-10 First Published in 2007 Routledge is an imprint of Taylor Francis an informa company BTEC National Care Neil Moonie, Mark Walsh, 2003 This textbook covers the content of the BTEC National care course t contains 12 units and advice and guidance on completion of BTEC National Sport and Exercise Science Student Book Adam Gledhill, 2007-07 Suitable for BTEC National the IVA Sport and Exercise Sciences to match Edexcel s 2007 specification this book covers the curriculum in manageable chunks that link to the specification headings so that students can be confident that they have covered the underpinning theory they need It features a full colour format BTEC National Level 3 Sport and Exercise Science 4th Edition Jennifer Stafford-Brown, Simon Rea, Tim Eldridge, 2016-12-05 Exam Board BTEC Level KS4 Subject Vocational First Teaching September 2016 First Exam June 2018 Help your students gain the academic expertise and employability skills needed for further progression in education or the workplace with this textbook fully updated to reflect the new structure and content of the 2016 Level 3 BTEC qualification Prepare your students for new external assessment requirements with teaching quidance and tips Contextualise knowledge and build practical understanding of concepts with case studies Provide opportunities to stretch and challenge Distinction students Help students prepare for assignments with activities linked to assessment criteria Written by expert author team Jennifer Stafford Brown and Simon Rea **Applied Science** John Beeby, 2010 This bright and engaging student book presents science in real contexts at a suitable level for BTEC to support

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