

EDUCATION CANNOT WAIT

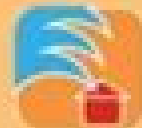
Children and Youth In Humanitarian Emergencies
and Conflict Areas HAVE A RIGHT to Education

PROBLEM

Over 28 million
of the world's 61
million out-of-school
primary-aged children
live in conflict areas

=over **40%**

Millions more have their
education disrupted
by natural disasters



KEY BARRIERS

Widespread attacks on
children, teachers and
schools in 30 countries

Low funding for
education—just 2% of
total humanitarian aid

Poor local planning and
budgets for emergencies



Education As A Humanitarian Response

Nalini Asha Biggs



Education As A Humanitarian Response:

Education as a Humanitarian Response Gonzalo Retamal, Ruth Aedo-Richmond, 1998 Humanitarian emergencies in for example Rwanda Somalia and Bosnia are becoming increasingly drawn out We are now witnessing devastating situations which can go on for months or years In view of the significant psychological damage which can occur to refugees during emergency periods education can no longer be seen as an optional extra the quality of the education provided at these times can be crucial to a nation s rebirth In this extraordinary book the contributors all of whom have been involved in humanitarian crises outline how best to set up and carry out practical education under extreme mental and financial pressure

Education and Natural Disasters David Smawfield, 2013-03-28 What is the relationship between education and natural disasters Can education play a role in ameliorating and mitigating them preparing people in how to respond and even helping to prevent them If so how Drawing on research carried out in a number of different countries including Australia China India Japan the UK and the USA the contributors consider the role of education in relation to natural disasters The case studies expand conceptual and empirical understandings of the understudied relationship between education and natural disasters and uncover the potential and the limitations of education for mitigating responding to and potentially preventing natural disasters The contributors also consider the extent to which so called natural disasters such as mudslides caused by deforestation and flooding areas built on known flood plains are linked to human behaviour and how education can impact on these

Education and Disadvantaged Children and Young People Mitsuko Matsumoto, 2013-10-10 Examines the educational experiences of disadvantaged and marginalised children and young people in different international contexts including Vietnam Ukraine the UK the USA and India

Education, Aid and Aid Agencies , 2018 What is the relationship between education aid and aid agencies Drawing on international research in numerous countries including Thailand India Afghanistan Lebanon and the UK the contributors consider the external factors affecting educational provision during and after emergencies Each chapter contains a summary of the key points and issues within the chapter to enable easy navigation key contemporary questions to encourage active engagement with the material and an annotated list of suggested further reading to support further exploration

Education as a Global Concern Colin Brock, 2011-02-17 This is an engaging discussion about the functions of education drawing on a range of educational situations Education as a Global Concern introduces the issues covered by this exciting new series Education as a Humanitarian Response Colin Brock challenges the existing functions of education as widely and conventionally perceived and promotes the notion of education as a humanitarian response as the prime function He will examine the educational situations of a range of human groups that are marginalized or excluded from mainstream provision and will also consider the idea that humane means appropriate This series presents an authoritative coherent and focused collection of texts to introduce and promote the notion of education as a humanitarian response as a prime function of educational activity The series takes a holistic interpretation of education

dealing not only with formal schooling and other systemic provisions in the mainstream but rather with educational reality teaching and learning in whatever form it comes at any age *Education, Aid and Aid Agencies* Zuki Karpinska, 2012-05-03

What is the relationship between education aid and aid agencies Drawing on international research in numerous countries including Thailand India Afghanistan Lebanon and the UK the contributors consider the external factors affecting educational provision during and after emergencies Each chapter contains a summary of the key points and issues within the chapter to enable easy navigation key contemporary questions to encourage active engagement with the material and an annotated list of suggested further reading to support further exploration *Education and Internally Displaced Persons* Christine Smith Ellison, Alan Smith, 2012-11-22

What are the barriers to education for internally displaced persons How can these be overcome Drawing on research from a diverse set of countries including the the USA Somalia Colombia Pakistan Sri Lanka and Bosnia and Herzegovina the contributors consider the relationship between education and internally displaced persons These case studies raise fundamental questions regarding the barriers to education and some unexpected benefits for displaced children The dynamics that impact access and quality of education for internally displaced people are examined and the role education can play in rebuilding societies and strengthening peace building processes is considered Each case study brings to light a different aspect of displacement including various causes current legal protection and its implications for government action and practical responses challenges arising from country contexts related to the scale and duration of displacement and the role of education in meeting the needs of returnees **Education and HIV/AIDS** Nalini Asha Biggs, 2012-02-09

Examines the relationship HIV AIDS has with education in different international contexts from Sub Saharan Africa Southeast Asia Eastern Europe the USA UK and the Caribbean Provided by publisher Education and Reconciliation Julia Paulson, 2011-03-31

What is the relationship between education and reconciliation initiatives Who encourages and enacts it and who discourages and detracts from it Do reconciliatory educational practices offer any insight into the nature of reconciliation as a process Drawing on international research in numerous countries including Bosnia Herzegovina Rwanda South Africa Jordan Peru and the USA the contributors consider conceptually and empirically the role of education in reconciling societies groups and individuals divided by conflict These case studies expand conceptual and empirical understandings of the understudied relationship between education and reconciliation and its potential for addressing and repairing the divisions of conflict Each chapter contains a summary of the key points and issues within the chapter to enable easy navigation key relevant and contemporary questions to encourage you to actively engage with the material and an annotated list of suggested further reading to support you to take your exploration further **British Scholars of Comparative Education** David Phillips, 2020-05-20

This book brings together studies of significant British scholars of comparative education from the 19th and 20th centuries Providing a unique and detailed examination of the work of the founding British scholars of research in comparative education British Scholars of Comparative Education considers

the legacy of these key figures and emphasises the importance of understanding their achievements The advancement of research in comparative education has long been driven by the work of key scholars ensuring it remains a lively area of educational research This book highlights the pivotal role played by each scholar in driving a progression through humanistic and scientific approaches to new epistemological traditions within the field of comparative education This in turn reveals critical historical epistemological transitions that have had lasting impacts on the field With contributions from leading scholars in the field this volume will be of great interest to researchers academics and scholars in comparative and international education

Higher Education in Emergencies Enakshi Sengupta,2023-11-06 Championing a variety of the lessons taken from across the globe this book acts as a critical toolkit for preparing universities for the next pandemic earthquake or civil conflict

Transforming Education Towards SDG 4 UNESCO,2024-10-24

Education and NGOs Lorraine Pe Symaco,2016-02-11 Education and NGOs discusses the role of sectors outside the mainstream in relation to improving access to education with particular focus on the underprivileged International case study examples offer insights into the work of non governmental organizations which play a crucial role in UNESCO s global Education for Sustainable Development ESD effort by providing alternative forms of education and improving educational access Including a discussion of the work of organizations such as Africa Educational Trust Kids Company FIDAL Foundation and many others the volume explores the role of NGOs in the UK the USA India Nepal the Gaza Strip Ecuador Philippines and South Africa Each chapter contains contemporary questions to encourage active engagement with the material and an annotated list of suggested reading to support further exploration

Disability, Poverty and Education Nidhi Singal,2014-10-29 This book is a succinct and distinctive presentation of current research addressing educational issues in relation to children and young people with disabilities in Southern contexts Even though people with disabilities are disproportionately over represented in the majority world there is a lack of texts which bring together empirical insights highlighting the unique socio economic and cultural realities of these contexts and the ways in which these have shaped developments in education This book provides a comprehensive and critical overview of a range of issues such as the dilemmas in conceptual translations analysis of international aid and national policies evaluation of various educational interventions and issues interrogating the purpose of education Bringing together various research projects conducted in eight different countries this book successfully captures a unique spread of cross cultural issues It was originally published as a special issue of the International Journal of Inclusive Education

Economics, Aid and Education Suzanne Majhanovich,Macleans A. Geo-JaJa,2013-11-04 It is impossible to discuss economics development or education in a world wide context without considering the effects of markets or globalization on these issues that have such an impact on humanity Neoliberalism has had profound consequences for education worldwide particularly in the developing world The chapters in this volume include both case studies for specific countries as well as reflections on economic and educational priorities in a globalized world How development aid is

delivered provisioned and under what conditions is debated in several chapters Similarly development as well as poverty are conceived in multi dimensionalities depending on the context In addition the issue of what quality education has come to mean in a globalized age is also addressed The contrast between discourses of humanistic approaches to education and those of neoliberalism as propounded by the World Bank informs discussions throughout the volume The collection of papers in Economics Aid and Education Implications for Development provides a roadmap for policy makers in developing countries as well as for comparativists to the key issues and challenges of globalization marketization and internationalization of education in a period of economic crisis This book explores the contributions of globalization and the roadmaps developed as vehicles for societal transformation Contributors from all parts of the globe discuss the expanding role of the World Bank s market reforms in education in developing countries In a detailed and practical way the authors question false assumptions of education aid and underline the challenges of funding gaps related to development in education **Routledge**

Handbook of International Education and Development Simon McGrath,Qing Gu,2015-07-24 This timely Handbook takes stock of the range of debates that characterise the field of international education and development and suggests key aspects of a research agenda for the next period It is deliberately divergent in its approach recognising the major ideological and epistemological divides that characterise a field that draws on many traditions Leading and emergent voices from different paradigms and contexts are afforded a space to be heard and each section puts current debates in larger historical contexts The Handbook is divided in four parts and book ended by an introduction and a conclusion the latter oriented towards the implications that the volume has for future research agendas The first part explores major strands of debates about education s place in development theory The second acknowledges the disciplining of the field by the education for all movement and examines the place that learning and teaching and schools play in development Part three looks beyond schools to consider early years adult and vocational education but focuses particularly on the return to thinking about higher education s role in development The final part considers the changing but still important role that international cooperation plays in shaping education in developing countries Featuring over thirty chapters written by leading international and interdisciplinary scholars the Routledge Handbook of International Education and Development offers the first comprehensive and forward looking resource for students and scholars *Education for All 2000-2015: Achievements and challenges* UNESCO,2015-04-08 Literaturverz S 414 459 **Comparative Perspectives on Refugee Youth Education**

Alexander W. Wiseman,Lisa Damaschke-Deitrick,Ericka L. Galegher,Maureen F. Park,2019-05-22 This volume explores the shared expectations that education is a panacea for the difficulties that refugees and their receiving countries face This book investigates the ways in which education is both a dream solution as well as a contested landscape for refugee families and students Using comparative cross national perspectives across five continents the editors and contributors critically analyze the educational structures policies and practices intended to support refugee youth transition from conflict and post conflict

zones to mainstream classrooms and schools in their new communities *Education and Minorities* Chris Atkin, 2018 The contributors explore the experience of learners from minority groups and the education policy response of authorities drawing on the international research in the USA Finland Rwanda India South Africa Hungary China and the UK They explore the purpose of education for minority groups and in particular the place of human social and identity capital in policy and practice Each chapter contains a summary of the key points and issues within each chapter to enable easy navigation key contemporary questions to encourage active engagement with the material and an annotated list of suggested reading to support further exploration *Education and Minorities* Chris Atkin, 2012-03-08 The contributors explore the experience of learners from minority groups and the education policy response of authorities drawing on the international research in the USA Finland Rwanda India South Africa Hungary China and the UK They explore the purpose of education for minority groups and in particular the place of human social and identity capital in policy and practice Each chapter contains a summary of the key points and issues within each chapter to enable easy navigation key contemporary questions to encourage active engagement with the material and an annotated list of suggested reading to support further exploration

Fuel your quest for knowledge with Authored by is thought-provoking masterpiece, Explore **Education As A Humanitarian Response** . This educational ebook, conveniently sized in PDF (*), is a gateway to personal growth and intellectual stimulation. Immerse yourself in the enriching content curated to cater to every eager mind. Download now and embark on a learning journey that promises to expand your horizons. .

<http://www.pet-memorial-markers.com/results/book-search/Documents/expert%20systems%20in%20electrical%20power%20engineering.pdf>

Table of Contents Education As A Humanitarian Response

1. Understanding the eBook Education As A Humanitarian Response
 - The Rise of Digital Reading Education As A Humanitarian Response
 - Advantages of eBooks Over Traditional Books
2. Identifying Education As A Humanitarian Response
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Education As A Humanitarian Response
 - User-Friendly Interface
4. Exploring eBook Recommendations from Education As A Humanitarian Response
 - Personalized Recommendations
 - Education As A Humanitarian Response User Reviews and Ratings
 - Education As A Humanitarian Response and Bestseller Lists
5. Accessing Education As A Humanitarian Response Free and Paid eBooks
 - Education As A Humanitarian Response Public Domain eBooks
 - Education As A Humanitarian Response eBook Subscription Services

- Education As A Humanitarian Response Budget-Friendly Options
- 6. Navigating Education As A Humanitarian Response eBook Formats
 - ePub, PDF, MOBI, and More
 - Education As A Humanitarian Response Compatibility with Devices
 - Education As A Humanitarian Response Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Education As A Humanitarian Response
 - Highlighting and Note-Taking Education As A Humanitarian Response
 - Interactive Elements Education As A Humanitarian Response
- 8. Staying Engaged with Education As A Humanitarian Response
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Education As A Humanitarian Response
- 9. Balancing eBooks and Physical Books Education As A Humanitarian Response
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Education As A Humanitarian Response
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Education As A Humanitarian Response
 - Setting Reading Goals Education As A Humanitarian Response
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Education As A Humanitarian Response
 - Fact-Checking eBook Content of Education As A Humanitarian Response
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Education As A Humanitarian Response Introduction

In the digital age, access to information has become easier than ever before. The ability to download Education As A Humanitarian Response has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Education As A Humanitarian Response has opened up a world of possibilities. Downloading Education As A Humanitarian Response provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Education As A Humanitarian Response has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Education As A Humanitarian Response. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Education As A Humanitarian Response. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Education As A Humanitarian Response, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Education As A Humanitarian Response has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading

practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Education As A Humanitarian Response Books

What is a Education As A Humanitarian Response PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Education As A Humanitarian Response PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Education As A Humanitarian Response PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Education As A Humanitarian Response PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Education As A Humanitarian Response PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Education As A Humanitarian Response :

expert systems in electrical power engineering

expert evidence under the cpr a compendium of cases from april 1999 to april 2001

exploring your world the adventure of geography

explorations an introduction to astronomy case bound update with essential

explorations in aging.

explorations in economic growth ebays in measurement and analysis

export diversification and the new protectionism the experiences of latin america

exploring curvature

exploring wales

~~expomueble 12 volume 3 kitchens bathrooms~~

explorations by army volume 1 solar system

experiments for basic anatomy and physiology of the human body

expert systems applications in engineering

exploring mathematics answer key for student text grade 3

exploring the world of dreams

Education As A Humanitarian Response :

Accounting Study Guide Test 1 - Accounting Wiley Plus... View Test prep - Accounting Study Guide Test 1 from AC 221 at Southeast Missouri State University. Accounting Wiley Plus Homework Answers Test 1 Chapter 1, ... Video on completing Wiley Homework - YouTube ACC 100 : Accounting - Strayer University Access study documents, get answers to your study questions, and connect with real tutors for ACC 100 : Accounting at Strayer University. Accounting Chapter 1 WileyPLUS Flashcards Study with Quizlet and memorize flashcards containing terms like Operating Activities, Financing Activities, Investing Activities and more. Strayer acc100 homework ch 1 wiley plus 26974 Use the expanded accounting equation to answer each of the following questions. (a) The liabilities of Roman Company are \$90,000. Owner's capital account is ... Week 1 Managerial Accounting Acct 102 Wiley chapter 1 and ... wiley plus stats answers Wileyplus accounting exam help with homeworkhive.Websites that answers accounting questions. #accounting #public #wileyplus #wiley #homework #assignment ... Where can you find the answers to Wiley Plus accounting ... Jul 8, 2015 — Wiley Plus accounting homework can be found in several places including: Textbook solutions manual; Official Wiley Plus website; Online forums ... Wileyplus

Chapter 2 Homework Answers Wileyplus Homework Answers on Physics, Chemistry, Accounting, and Math Homework From Professional Experts 100% Confidential Money Back Guarantee. Yes, we ... Chapter 6 - Wiley Assignment: ACCT 2500 Flashcards For 2020, what amount should Bing recognize as gross profit? A. \$0. B. \$120,000. C. \$187,500. D. \$142,500. A. \$0. Additional Practice the-dragon-problem-key special-right-triangles ... For an answer key: Assignment Answers. Section 1.1 and 1.2. Segment Addition ... Dragon Problem Geometry Answers.pdf View Dragon_Problem_Geometry_Answers.pdf from MATH 533 at Fayetteville State University. Dragon Problem Geometry Answers Right here, we have countless ebook ... Dragon Problem Geometry No information is available for this page. Dragon Problem Geometry WS Tips - YouTube Dragon Puzzle to Practice Special Right Triangles Oct 13, 2016 — I found this dragon puzzle to practice special right triangles online, and I fell in love with it. Each of the triangles is a special right. Dragon Problem angle measures pic Dragon Problem Geometry Name. Period_____ The following picture is made up of $90^\circ - 45^\circ - 45^\circ$ and ... The dragon problem There are five multiple choice questions. Answer key included. Subjects: Close Reading, ELA Test Prep, English Language Arts. Grades: 4 ... Glencoe Geometry Worksheet Answer Key WebChapter 3 12 Glencoe Geometry 3-2 Study Guide and Intervention (continued) Angles and. Parallel Lines Algebra and Angle Measures Algebra can be used to ... $60^\circ - 90^\circ$ special right triangles. Look carefully at each to ... Apr 12, 2022 — VIDEO ANSWER: We are going to solve a few questions in this exercise. In order to get the measure of n, we need to take 120 and calculate ... Chemical Principles - 6th Edition - Solutions and Answers Find step-by-step solutions and answers to Chemical Principles - 9780618946907, as well as thousands of textbooks so you can move forward with confidence. Student Solutions Manual for Zumdahl's Chemical ... Zumdahl. Student Solutions Manual for Zumdahl's Chemical Principles with OWL, Enhanced Edition, 6th. 6th Edition. ISBN-13: 978-1111426309, ISBN-10: 1111426309. Chemical Principles Steven Zumdahl Solution Manual: Books Student Solutions Manual for Zumdahl's Chemical Principles with OWL, Enhanced Edition, 6th. by Steven S. Zumdahl · 4.04.0 out of 5 stars (1) · Paperback ... Student Solutions Manual for Zumdahls Chemical ... Student Solutions Manual for Zumdahls Chemical Principles with OWL, Enhanced Edition, 6th. by Zumdahl, Steven S. Used. Condition: UsedGood; ISBN 10: 1111426309 ... Solutions Manual Chemical Principles 6th edition by ... Solutions Manual of Organic Structures From Spectra by Field & Sternhell | 4th edition. Solutions Manuals & Test Banks | Instant Download. 9781133109235 | Student Solutions Manual for Jan 1, 2012 — Rent textbook Student Solutions Manual for Zumdahl/DeCoste's Chemical Principles, 7th by Zumdahl, Steven S. - 9781133109235. Price: \$48.49. Chemical Principles | Rent | 9780618946907 Zumdahl. Every textbook comes with a 21-day "Any Reason" guarantee. Published by Brooks Cole. Chemical Principles 6th edition solutions are available for ... Student Solutions Manual for Zumdahl S Chemical ... Student Solutions Manual for Zumdahl S Chemical Principles by Zumdahl, Steven S. ; Item Number. 374968094927 ; Binding. Paperback ; Weight. 1 lbs ; Accurate ... Solved: Chapter 14 Problem 61P Solution - 6th edition Access Chemical Principles 6th Edition Chapter 14 Problem 61P solution now.

Our solutions ... Zumdahl Rent | Buy. Alternate ISBN: 9780495759737, 9781111807658. Chemistry 6th Edition by Steven Zumdahl Study Guide for Zumdahl's Chemical Principles, 6th Edition. Steven S. Zumdahl ... Student Solutions Manual for Zumdahls Chemical Principles: Zumdahl, Steven S.