



MERCY JUNIOR COLLEGE
Grade 11
Physical Science
Finals Exam

NAME: _____

YEAR LEVEL & SECTION: _____

TEACHER'S NAME: _____

PROCTOR'S NAME: _____

1. MULTIPLE CHOICE

INSTRUCTION: Encircle the letter of the correct answer. (1 POINT EACH)

- It is a subatomic particle, symbol e^- or β^- , with a negative elementary electric charge.
A. Neutron
B. Electron
C. Proton
D. Atom
- It is a subatomic particle, symbol p or p^+ , with a positive electric charge of $+1e$ elementary charge and mass slightly less than that of a neutron.
A. Neutron
B. Electron
C. Proton
D. Atom
- It is a subatomic particle, symbol n or n^0 , with no net electric charge and a mass slightly larger than that of a proton.
A. Neutron
B. Electron
C. Proton
D. Atom
- Is this an example of ionic bonding?



carbon dioxide

- Yes, it is ionic bonding.
- No, it is of another type of chemical bonding.
- There is no chemical bonding present.
- This is just an orbital model.

- Is this an example of ionic bonding?



lithium fluoride

- Yes, it is ionic bonding.
 - No, it is of another type of chemical bonding.
 - There is no chemical bonding present.
 - This is just an orbital model.
- In atomic physics and quantum chemistry, the electron configuration is the distribution of electrons of an atom or molecule in atomic or molecular orbitals.
A. Electron Configuration
B. Periodic Table of Elements
C. Orbital Models
D. Energy Levels
 - Is this an example of ionic bonding?
-
- Yes, it is ionic bonding.
 - No, it is of another type of chemical bonding.
 - There is no chemical bonding present.
 - This is just an orbital model.
- It is a chemical rule of thumb that reflects observation that atoms of main-group elements tend to combine in such a way that each atom has eight electrons in its valence shell, giving it the same electronic configuration as a noble gas.
A. Octet Rule
B. Valence Electrons
C. Atomic Orbitals
D. Chemical Bonds
 - It is the smallest constituent unit of ordinary matter that has the properties of a chemical element.
A. Neutron
B. Electron
C. Proton
D. Atom
 - It is a type of chemical bond that involves the electrostatic attraction between oppositely

Physical Science Grade 11 Final Examination 2014 Scope

Ying-Ying Zheng



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"Code of Massachusetts regulations, 2014", 2014 Archival snapshot of entire looseleaf Code of Massachusetts Regulations held by the Social Law Library of Massachusetts as of January 2020 Introduction to Teaching Gene E. Hall, Linda F. Quinn, Donna M. Gollnick, 2018-11-29 An ideal introductory text for aspiring teachers Introduction to Teaching Making a Difference in Student Learning is grounded in the realities and complexities found in today's schools Acclaimed authors Gene E Hall Linda F Quinn and Donna M Gollnick thoroughly prepare readers to make a difference as teachers presenting firsthand stories and evidence based practices while offering a student centered approach to learning The authors focus on how to address one of the biggest challenges facing many of today's schools ensuring that all students are learning and help teachers prioritize student learning as their primary focus From true to life challenges that future teachers will face such as high stakes testing reduced funding low retention and Common Core State Standards to the inspiration and joy they will experience throughout their teaching careers the Third Edition paints an importantly authentic picture of the real life of a teacher **Exploring Lifespan Development** Laura E. Berk, 2022-07-26 Exploring Lifespan Development Fourth Edition the essentials version of Development Through the Lifespan Seventh Edition by best selling author Laura E Berk includes the same topics the same number of chapters and the same outstanding features with a focus on the most important information and a greater emphasis on practical real life applications *Applied Health Economics for Public Health Practice and Research* Rhiannon Tudor Edwards, Emma McIntosh, 2019-03-14 In today's world of scarce resources determining the optimal allocation of funds to preventive health care interventions PHIs is a challenge The upfront investments needed must be viewed as long term projects the benefits of which we will experience in the future The long term positive change to PHIs from economic investment can be seen across multiple sectors such as health care education employment and beyond Applied Health Economics for Public Health Practice and Research is the fifth in the series of Handbooks in Health Economic Evaluation It presents new research on health economics methodology and application to the evaluation of public health interventions Looking at traditional as well as novel methods of economic evaluation the book covers the history of economics of public health and the economic rationale for government investment in prevention In addition it looks at principles of health economics evidence synthesis key methods of economic evaluation with accompanying case studies and much more Looking to the future Applied Health Economics for Public Health Practice and Research presents priorities for research in the field of public health economics It acknowledges the role played by natural environment in promoting better health and the place of genetics environment and socioeconomic status in determining population health Ideal for health economists public health researchers local government workers health care professionals and those responsible for health policy development Applied Health Economics for Public Health Practice and Research is an important contribution to the economic discussion of public health and resource allocation Canadian Almanac & Directory, 2014 Tannys Williams, 2013-10 The

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Handbook of Research on Clinical Applications of Meditation and Mindfulness-Based Interventions in Mental Health Gupta, Sanjeev Kumar, 2021-08-27 Mental health has been a growing concern in society but recently has further come to light due to the COVID 19 pandemic and its effects on societal well being With mental health issues such as depression on the rise professionals need to implement new techniques that are effective in reducing psychological problems and enhancing psychological well being The integration of meditation and mindfulness techniques presents new methods for providing psychological intervention to alleviate psychological distress Clinical Applications of Meditation and Mindfulness Based Interventions in Mental Health presents mindfulness based interventions in clinical and non clinical conditions This book disseminates evidence based practices in the area of meditation and mindfulness to mental health professionals for the advancement of the mental health discipline and the benefit of students and trainees Covering topics including mindful parenting mediation trauma informed work and psychological trauma recovery this book is essential for mental health practitioners therapists psychologists counselors meditation specialists professionals students researchers and academicians

Resources in Education, 1984 **The City Record** New York (N.Y.), 1916 Climate Change 2022 - Impacts, Adaptation and Vulnerability Intergovernmental Panel on Climate Change (IPCC), 2023-06-22 The Working Group II contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change IPCC provides a comprehensive assessment of the scientific literature relevant to climate change impacts adaptation and vulnerability The report recognizes the interactions of climate ecosystems and biodiversity and human societies and integrates across the natural ecological social and economic sciences It emphasizes how efforts in adaptation and in reducing greenhouse gas emissions can come together in a process called climate resilient development which enables a liveable future for biodiversity and humankind The IPCC is the leading body for assessing climate change science IPCC reports are produced in comprehensive objective and transparent ways ensuring they reflect the full range of views in the scientific literature Novel elements include focused topical assessments and an atlas presenting observed climate change impacts and future risks from global to regional scales Available as Open Access on Cambridge Core Arguing with Numbers James Wynn, G. Mitchell Reyes, 2021-04-15 As discrete fields of inquiry rhetoric and mathematics have long been considered antithetical to each other That is if mathematics explains or describes the phenomena it studies with certainty persuasion is not needed This volume calls into question the view that mathematics is free of rhetoric Through nine studies of the intersections between these two disciplines Arguing with Numbers shows that mathematics is in fact deeply rhetorical Using rhetoric as a lens to analyze mathematically based arguments in public policy political and economic theory and even literature the essays in this volume reveal how mathematics influences the values and beliefs with which we assess the world and make decisions and how our

worldviews influence the kinds of mathematical instruments we construct and accept In addition contributors examine how concepts of rhetoric such as analogy and visuality have been employed in mathematical and scientific reasoning including in the theorems of mathematical physicists and the geometrical diagramming of natural scientists Challenging academic orthodoxy these scholars reject a math equals truth reduction in favor of a more constructivist theory of mathematics as dynamic evolving and powerfully persuasive By bringing these disparate lines of inquiry into conversation with one another *Arguing with Numbers* provides inspiration to students established scholars and anyone inside or outside rhetorical studies who might be interested in exploring the intersections between the two disciplines In addition to the editors the contributors to this volume are Catherine Chaput Crystal Broch Colombini Nathan Crick Michael Dreher Jeanne Fahnestock Andrew C Jones Joseph Little and Edward Schiappa **Journal of the House of Representatives of the United States** United States. Congress. House,2014 Some vols include supplemental journals of such proceedings of the sessions as during the time they were depending were ordered to be kept secret and respecting which the injunction of secrecy was afterwards taken off by the order of the House **Chemistry and Industry Review** ,1957 Resources in Education ,1983
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