

Chemistry Chapter 5 Exam

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. The idea of arranging the elements in the periodic table according to their chemical and physical properties is attributed to
 - a. Mendeleev.
 - b. Moseley.
 - c. Bohr.
 - d. Ramsay.
- _____ 2. Mendeleev left spaces in his periodic table and predicted several elements and their
 - a. atomic numbers.
 - b. colors.
 - c. properties.
 - d. radioactivity.
- _____ 3. Mendeleev attempted to organize the chemical elements based on their
 - a. symbols.
 - b. properties.
 - c. atomic numbers.
 - d. electron configurations.
- _____ 4. Mendeleev noticed that properties of elements usually repeated at regular intervals when the elements were arranged in order of increasing
 - a. atomic number.
 - b. density.
 - c. reactivity.
 - d. atomic mass.
- _____ 5. Mendeleev is credited with developing the first successful
 - a. periodic table.
 - b. method for determining atomic number.
 - c. test for radioactivity.
 - d. use of X rays.
- _____ 6. Mendeleev did not always list elements in his periodic table in order of increasing atomic mass because he grouped together elements with similar
 - a. properties.
 - b. atomic numbers.
 - c. densities.
 - d. colors.
- _____ 7. In developing his periodic table, Mendeleev listed on cards each element's name, atomic mass, and
 - a. atomic number.
 - b. electron configuration.
 - c. isotopes.
 - d. properties.
- _____ 8. Mendeleev predicted that the spaces in his periodic table represented
 - a. isotopes.
 - b. radioactive elements.
 - c. permanent gaps.
 - d. undiscovered elements.
- _____ 9. Mendeleev's table was called periodic because the properties of the elements
 - a. showed no pattern.
 - b. occurred at repeated intervals called periods.
 - c. occurred at regular time intervals called periods.
 - d. were identical.
- _____ 10. The person whose work led to a periodic table based on increasing atomic number was
 - a. Moseley.
 - b. Mendeleev.
 - c. Rutherford.
 - d. Cannizzaro.
- _____ 11. Moseley's work led to the realization that elements with similar properties occurred at regular intervals when the elements were arranged in order of increasing
 - a. atomic mass.
 - b. density.
 - c. radioactivity.
 - d. atomic number.
- _____ 12. Who used his experimental evidence to determine the order of the elements according to atomic number?
 - a. Meyer
 - c. Stas

Modern Chemistry Chapter 5 Test

M Lipman



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Laboratory Experiments to Accompany "Modern Chemistry," Fredus Nelson Peters,1902 **Instructor's Manual to Accompany Chemistry in the Modern World, Concepts and Applications** Frank L. Wiseman,1985 **Modern Chemistry** Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2000-12 Elementary Modern Chemistry Wilhelm Ostwald,Harry Wheeler Morse,1909 **Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science** ,2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction **Handbook of Isolation and Characterization of Impurities in Pharmaceuticals** Satinder Ahuja,Karen Mills Alsante,2003-07-18 The United States Food and Drug Administration FDA and other regulatory bodies around the world require that impurities in drug substance and drug product levels recommended by the International Conference on Harmonisation ICH be isolated and characterized Identifying process related impurities and degradation products also helps us to understand the production of impurities and assists in defining degradation mechanisms When this process is performed at an early stage there is ample time to address various aspects of drug development to prevent or control the production of impurities and degradation products well before the regulatory filing and thus assure production of a high quality drug product This book therefore has been designed to meet the need for a reference text on the complex process of isolation and characterization of process related synthesis and formulation impurities and degradation products to meet critical regulatory requirements It s objective is to provide guidance on isolating and characterizing impurities of pharmaceuticals such as drug candidates drug substances and drug products The book outlines impurity identification processes and will be a key resource document for impurity analysis isolation synthesis and characterization Provides valuable information on isolation and characterization of impurities Gives a regulatory perspective on the subject Describes various considerations involved in meeting regulatory requirements Discusses various sources of impurities and degradation products **Lab Experiments for Modern Chemistry** Tzimopoulos,1990 *Lab Experiments Modern Chemistry* Harold Clark Metcalfe,1982 Pearson Edexcel A Level Chemistry (Year 1 and Year 2) Andrew Hunt,Graham Curtis,Graham Hill,2019-07-15 Develop and assess your students knowledge and skills throughout A level with worked examples practical assessment guidance and differentiated end of topic questions in this updated all in one textbook for Years 1 and 2 Combining everything your students need to know for the Pearson Edexcel A level Chemistry specification this revised textbook will Identify the level of your students understanding with diagnostic questions and a summary of prior knowledge at the start of the Student Book Provide support for all 16 required practicals with various activities and questions along with a Practical chapter covering procedural understanding

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Modern Methods of Drug Discovery Alexander Hillisch,Rolf Hilgenfeld,2002-12-11 Research in the pharmaceutical industry today is in many respects quite different from what it used to be only fifteen years ago There have been dramatic changes in approaches for identifying new chemical entities with a desired biological activity While chemical modification of existing leads was the most important approach in the 1970s and 1980s high throughput screening and structure based design are now major players among a multitude of methods used in drug discovery Quite often companies favor one of these relatively new approaches over the other e g screening over rational design or vice versa but we believe that an intelligent and concerted use of several or all methods currently available to drug discovery will be more successful in the medium term What has changed most significantly in the past few years is the time available for identifying new chemical entities Because of the high costs of drug discovery projects pressure for maximum success in the shortest possible time is higher than ever In addition the multidisciplinary character of the field is much more pronounced today than it used to be As a consequence researchers and project managers in the pharmaceutical industry should have a solid knowledge of the more important methods available to drug discovery because it is the rapidly and intelligently combined use of these which will determine the success or failure of preclinical projects

How to Prepare for the SSAT/ISEE, Secondary School Admissions Test/Independent School Entrance Exam Jerome Shostak,Max Peters,2001 The authors offer thorough preparation for the nationally administered entrance exams required by many private high schools This book presents a diagnostic test two full length practice exams for both the SSAT and ISEE and extensive review material All questions are answered and keyed to the book s subject review sections

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