

CHEMISTRY REVIEW SHEET SECOND SEMESTER

Chemistry

Union Community Schools – Semester Two Review

Directions:

- + You will be given a periodic table with polyatomic ions and any formulas you may need.
- + If you complete the entire review sheet by the day of your exam you will be eligible for the curve should one be applied.
- + The answers to this review must be on a separate sheet of lined paper. To the best of our ability we have tried to provide a chapter that can be reviewed to help with that content.

Chapter 3: Atoms

- Know how to perform mole conversions using moles, grams, and representative particles.
 - What is a representative particle? What is the name of the representative particle for the ionic compound? The covalent compound? An element?
 - How many representative particles are in a 53.75 gram sample of 5CO_2 ?
 - How many moles of AlF_3 are in a 10.0 gram sample of AlF_3 ?
 - How many grams of SO_2 are in a 0.85 mole sample of SO_2 ?
 - How many moles of copper atoms is 75 g of Cu?
 - In a sample with 17.0 grams of water, how many molecules of water are present?

Chapter 4: Bonds

- For each example below, predict if the bonding will be ionic or covalent.
 - Ca with Cl
 - C with H
 - Carbon monoxide
 - KBr
 - SO_2
 - Magnesium iodide
- Draw Lewis dot structures for these simple compounds listed below.
 - Br_2
 - Cl_2
 - O_2
 - Na
 - CH_4
 - NH_3
 - H_2O
 - HF
 - $\text{C}_2\text{H}_5\text{OH}$
- For every molecule below, state whether the molecule is polar (has a dipole) or nonpolar. Look for symmetry – a sign of being NONPOLAR! A lone pair on the central atom generally leads to polarity or having a dipole. You will need the Lewis dot structures from question 3 to do this problem.
 - Cl_2
 - O_2
 - CH_4
 - NH_3
 - H_2O
 - HF
 - $\text{C}_2\text{H}_5\text{OH}$

Chemistry Cst Review Sheet Answers

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A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the National Learning Corporation text.

Chemistry Cst Review Sheet Answers:

Study Guide for Mortimer's Chemistry, Sixth Edition Donald W. Shive, Louise E. Shive, 1986 Solutions, Phase equilibrium, Conductance, Electrochemistry and Functional Group Organic Chemistry II - Laboratory Mr. Rohit Manglik, 2024-03-04 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels

Student Self-study Guide Donald W. Shive, 1979 **General Chemistry** James E. Brady, 1986 **NBS Special Publication**, 1968 Chemistry National Learning Corporation, 2019-02 The New York State Teacher Certification Exams NYSTCE are required for all candidates seeking licensure in the State The NYSTCE series consists of many different tests assessing skills and abilities necessary for teachers The Passbook R for the Content Specialty Test in Chemistry provides hundreds of multiple choice questions in the areas that will likely be covered on your upcoming certification exam including but not limited to atomic and molecular structure energy chemical bonds and reactions solutions and other related areas

Journal of Applied Chemistry, 1959 Vols for 1954 include separately paged section called Abstracts formerly published in British abstracts B I and B II **Transdex Index**, 1996 An index to translations issued by the United States Joint Publications Research Service JPRS **Heavy-atom Kinetic Isotope Effects** Marvin J. Stern, Max Wolfsberg, 1972

National Union Catalog, 1968 Includes entries for maps and atlases **Nuclear Science Abstracts**, 1957 **CEER, Chemical Economy & Engineering Review**, 1986 **Encyclopedia of Bioinformatics and Computational Biology**, 2018-08-21 Encyclopedia of Bioinformatics and Computational Biology ABC of Bioinformatics Three Volume Set combines elements of computer science information technology mathematics statistics and biotechnology providing the methodology and in silico solutions to mine biological data and processes The book covers Theory Topics and Applications with a special focus on Integrative omics and Systems Biology The theoretical methodological underpinnings of BCB including phylogeny are covered as are more current areas of focus such as translational bioinformatics cheminformatics and environmental informatics Finally Applications provide guidance for commonly asked questions This major reference work spans basic and cutting edge methodologies authored by leaders in the field providing an invaluable resource for students scientists professionals in research institutes and a broad swath of researchers in biotechnology and the biomedical and pharmaceutical industries Brings together information from computer science information technology mathematics statistics and biotechnology Written and reviewed by leading experts in the field providing a unique and authoritative resource Focuses on the main theoretical and methodological concepts before expanding on specific topics and applications Includes interactive images multimedia tools and crosslinking to further resources and databases **Monthly Catalog of United States Government Publications**, *Chemistry Content Specialty Test Exam Success* Lewis Morris, 2017-08-02 The best

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