



Chemistry: A Guided Inquiry

By Moog, Richard S.; Farrell, John J.

Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Atomic Structure.1. The Nuclear Atom.2. Atomic Number and Atomic Mass.3. Coulomb's Law.4. The Shell Model (I).5. The Shell Model (II).6. Atomic Size.7. Electromagnetic Radiation.8. Photoelectron Spectroscopy.9. The Shell Model (III).10. Electron Configurations.11. Electron Configurations and the Periodic Table.12. Electron Spin Molecular Structure.13. Lewis Structures (I).14. Bond Order and Bond Strength. 15. Lewis Structures (II).16. Lewis Structures (III).17. Lewis Structures (IV). 18. Molecular Shapes.19. Hybrid Orbitals.20. Average Valence Electron Energies.21. Partial Charge.22. Polar, Nonpolar, and Ionic Bonds.23. Dipole Moment. Solids and Liquids.24. The Ionic Bond.25. Metals.26. The Bond-Type Triangle.27. Intermolecular Forces. Stoichiometry.28. The Mole Concept.29. Balanced Chemical Equations.30. Limiting Reagent.31. Empirical Formula.32. Molarity.Gases. 33. The Ideal Gas Law. Thermochemistry.34. Enthalpy of Atom Combination.35. Enthalpy Changes in Chemical Reactions. Equilibrium.36. Rates of Chemical Reactions.37. Equilibrium (I).38. Equilibrium (II).39. The Equilibrium Constant (I).40. The Reaction Quotient.41. The Solubility Product. Acids and Bases.42. Acids and Bases.43. Strong and Weak Acids.44. Weak Acid/Base Dissociation.45. pH.46. Relative Acid Strength.47. Acid/Base Strength of Conjugate Pairs. Oxidation-Reduction.48.Redox Reactions.49. Oxidation Numbers.50. The Electrochemical Cell.51. The Cell Voltage. Thermodynamics.52. Entropy (I).53. Entropy (II).54. Entropy Changes in Chemical Reactions.55. The Equilibrium Constant (II).56. The Equilibrium...

Reviews

Basically no phrases to clarify. It really is written in straightforward phrases rather than hard to understand. You will not sense monotony at any moment of your own time (that's what catalogues are for concerning if you ask me).

-- Doris Beier

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-- Leilani Rippin

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