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Periodic Table With Chemistry Formulas SparkCharts

* Periodic Table with Chemistry Formulas

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CHEMISTRY FORMULAS

ATOMIC AND SUBSTANCE DATA

A. Atomic Number: The number of protons in the nucleus of an atom, equal to the number of electrons in a neutral atom.

B. Mass Number: The number of protons plus the number of neutrons in the nucleus of an atom.

C. Atomic Weight: The average mass of atoms of an element, measured on the atomic mass scale (amu).

D. Molecular Weight: The sum of the atomic weights of the atoms in a molecule.

THERMODYNAMICS

E. Enthalpy Change: The heat content of a system at constant pressure.

F. Entropy: A measure of the disorder or randomness of a system.

G. Gibbs Free Energy: The energy available to do work at constant temperature and pressure.

EQUILIBRIUM

H. Equilibrium Constant: A ratio of the concentrations of products to reactants at equilibrium.

I. Le Chatelier's Principle: A system at equilibrium will shift to counteract any change in conditions.

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Synopsis

SparkCharts®: The information you need—concisely, conveniently, and accurately. Created by Harvard students for students everywhere, these study companions and reference tools cover a wide range of college and graduate school subjects, from Business and Computer Programming to Medicine, Law, and Languages. They'll give you what it takes to find success in school and beyond. Outlines and summaries cover key points, while diagrams and tables make difficult concepts easier to grasp. This two-page chart is a perfect reference for homework and problem sets. On side one, the chart lists the most important chemical formulas and provides quick refreshers on significant figures and balancing equations. Side two includes a beautiful periodic table that gives the following information for each element: Name Atomic number Atomic symbol Atomic mass Oxidation states (most stable state in bold) Electronegativity Electron affinity First ionization potential Atomic radius Electron shell configuration

Book Information

Series: SparkCharts

Wall Chart: 2 pages

Publisher: SparkCharts; Lam Crds edition (February 4, 2014)

Language: English

ISBN-10: 1411470680

ISBN-13: 978-1411470682

Product Dimensions: 0.2 x 8.5 x 10.8 inches

Shipping Weight: 1.6 ounces (View shipping rates and policies)

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Customer Reviews

Very useful for my chem class at the university of Minnesota

A nice-looking periodic table for quick reference! What more could you want?

Item arrived promptly and as described! Would use again!

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