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Periodic Table With Chemistry Formulas SparkCharts

✦ **Periodic Table with Chemistry Formulas**

sparkcharts

CHEMISTRY FORMULAS

ATOMS AND SUBATOMIC PARTICLES

Atomic Number: The number of protons in a nucleus of an element is the atomic number. It is denoted by Z .

Mass Number: The sum of protons and neutrons in a nucleus is the mass number. It is denoted by A .

Electron Configuration: The arrangement of electrons in an atom is called its electron configuration.

TEMPERATURE CONVERSION

Converting between Fahrenheit and Celsius:

$$F = \frac{9}{5}C + 32$$

$$C = \frac{5}{9}(F - 32)$$

Kelvin: The temperature in Kelvin is denoted by K .

$$K = C + 273.15$$

IDEAL GAS LAWS

Boyle's Law: At constant temperature and pressure, the volume of a gas is inversely proportional to its pressure.

$$P_1V_1 = P_2V_2$$

Charles's Law: At constant pressure and number of moles, the volume of a gas is directly proportional to its temperature.

$$\frac{V_1}{T_1} = \frac{V_2}{T_2}$$

Gay-Lussac's Law: At constant volume and number of moles, the pressure of a gas is directly proportional to its temperature.

$$\frac{P_1}{T_1} = \frac{P_2}{T_2}$$

Combined Gas Law:

$$\frac{P_1V_1}{T_1} = \frac{P_2V_2}{T_2}$$

Ideal Gas Law:

$$PV = nRT$$

✦



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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

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Customer Reviews

as advertised.

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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