

PERIODIC TABLE GROUPS

Reference Chart for Chemical Classifications

Alkali Metals (Group 1)

Highly reactive metals, soft texture, one valence electron. Reacts violently with water.

Ex: Lithium (Li), Sodium (Na), Potassium (K)

Alkaline Earth Metals (Group 2)

Shiny, silvery-white, somewhat reactive metals with two valence electrons.

Ex: Magnesium (Mg), Calcium (Ca), Barium (Ba)

Transition Metals (Groups 3-12)

High density, high melting points, and excellent conductors of electricity/heat.

Ex: Iron (Fe), Copper (Cu), Gold (Au), Silver (Ag)

Metalloids

Elements with properties intermediate between metals and solid nonmetals.

Ex: Boron (B), Silicon (Si), Arsenic (As)

Reactive Nonmetals

Varying states at room temp. Poor conductors, high electronegativity.

Ex: Carbon (C), Nitrogen (N), Oxygen (O), Fluorine (F)

Noble Gases (Group 18)

Colorless, odorless, monatomic gases with very low chemical reactivity.

Ex: Helium (He), Neon (Ne), Argon (Ar)

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