

Fun Visual Dictionary of the Periodic Table of the Elements



Periodically Heroic: A Fun, Visual Dictionary of the Periodic Table of the Elements by Michael Möhring

★★★★★ 5 out of 5

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The periodic table of the elements is a tabular display of the 118 chemical elements known to man. It is organized by atomic number, electron configuration, and recurring chemical properties. The periodic table has been used by chemists and other scientists for over 150 years to predict the properties of new elements and to understand the chemical reactions that occur between elements.

This fun visual dictionary of the periodic table provides detailed descriptions and images for each element. It is a great resource for students learning about chemistry, as well as for anyone who is interested in the fascinating world of elements.

Group 1: Alkali Metals

- **Hydrogen (H)**: The lightest and most abundant element in the universe. It is a colorless, odorless, and tasteless gas that is highly flammable. Hydrogen is used in a variety of applications, including fuel, fertilizer, and rocket fuel.



- **Lithium (Li):** A soft, silvery-white metal that is highly reactive. Lithium is used in batteries, alloys, and glass.



- **Sodium** (Na): A soft, silvery-white metal that is highly reactive. Sodium is used in a variety of applications, including table salt, food preservation, and soap.

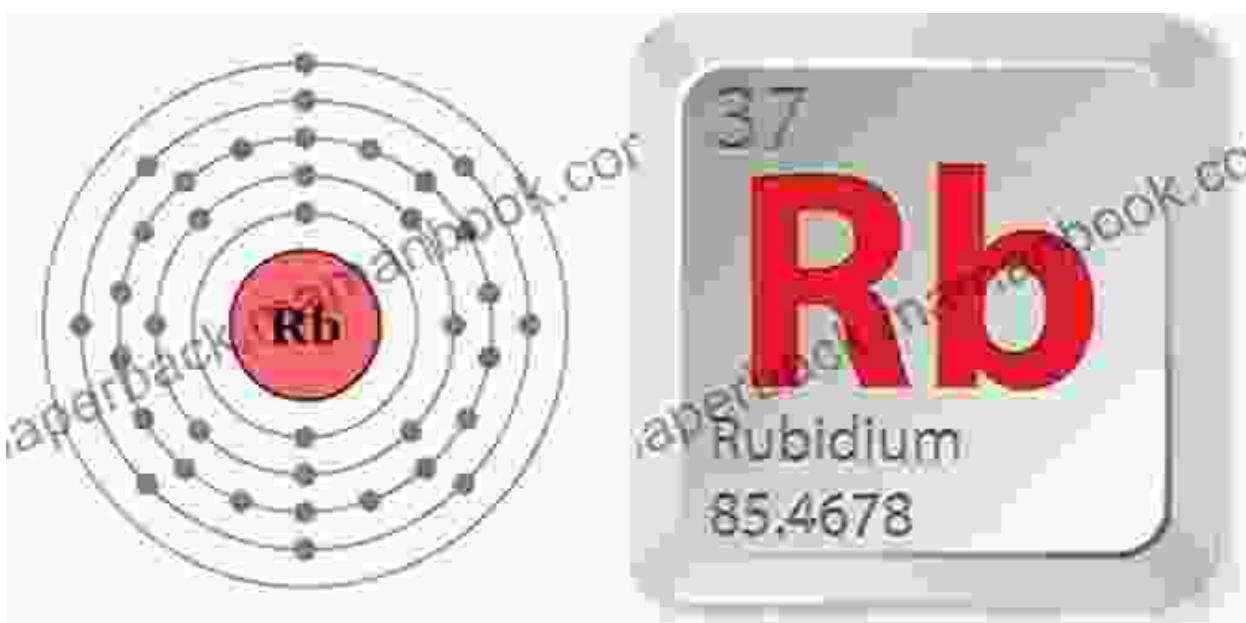


- **Potassium (K):** A soft, silvery-white metal that is highly reactive. Potassium is used in fertilizers, glass, and explosives.



A standard periodic table of elements is shown, displaying the first 100 elements from Hydrogen (H) to Oganesson (Og). The table is color-coded by element group: alkali metals (pink), alkaline earth metals (light blue), transition metals (yellow-green), post-transition metals (green), halogens (purple), and noble gases (light pink). The table includes element symbols, atomic numbers, and some additional columns below the main body.

- **Rubidium (Rb):** A soft, silvery-white metal that is highly reactive. Rubidium is used in atomic clocks, lasers, and fireworks.



- **Cesium (Cs)**: A soft, silvery-white metal that is highly reactive. Cesium is used in atomic clocks, lasers, and ion propulsion systems.



Group 2: Alkaline Earth Metals

- **Beryllium (Be)**: A hard, silvery-white metal that is highly reactive. Beryllium is used in alloys, nuclear reactors, and aerospace

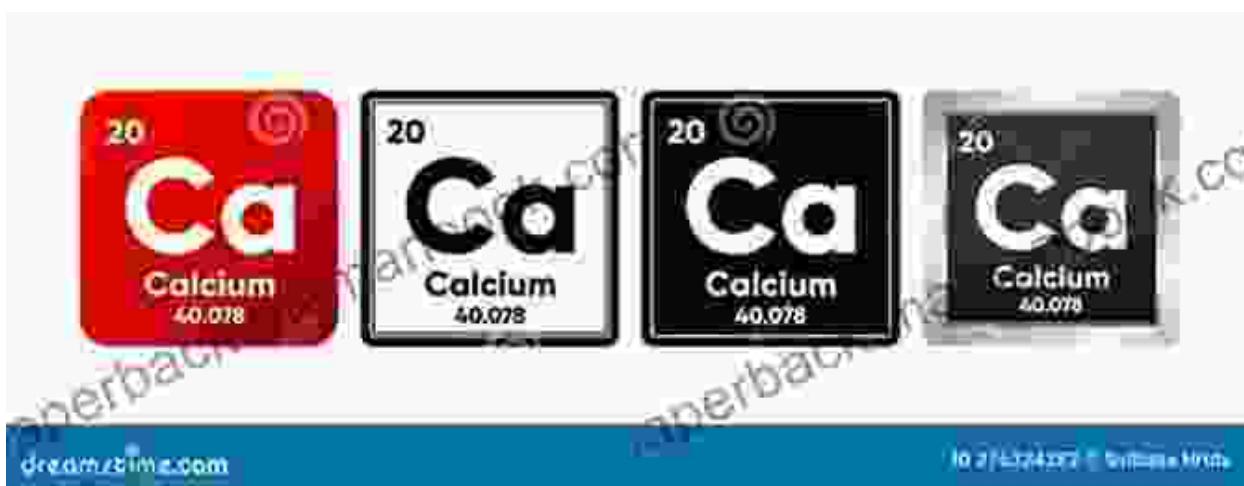
applications.



- **Magnesium (Mg):** A lightweight, silvery-white metal that is highly reactive. Magnesium is used in alloys, construction materials, and pharmaceuticals.



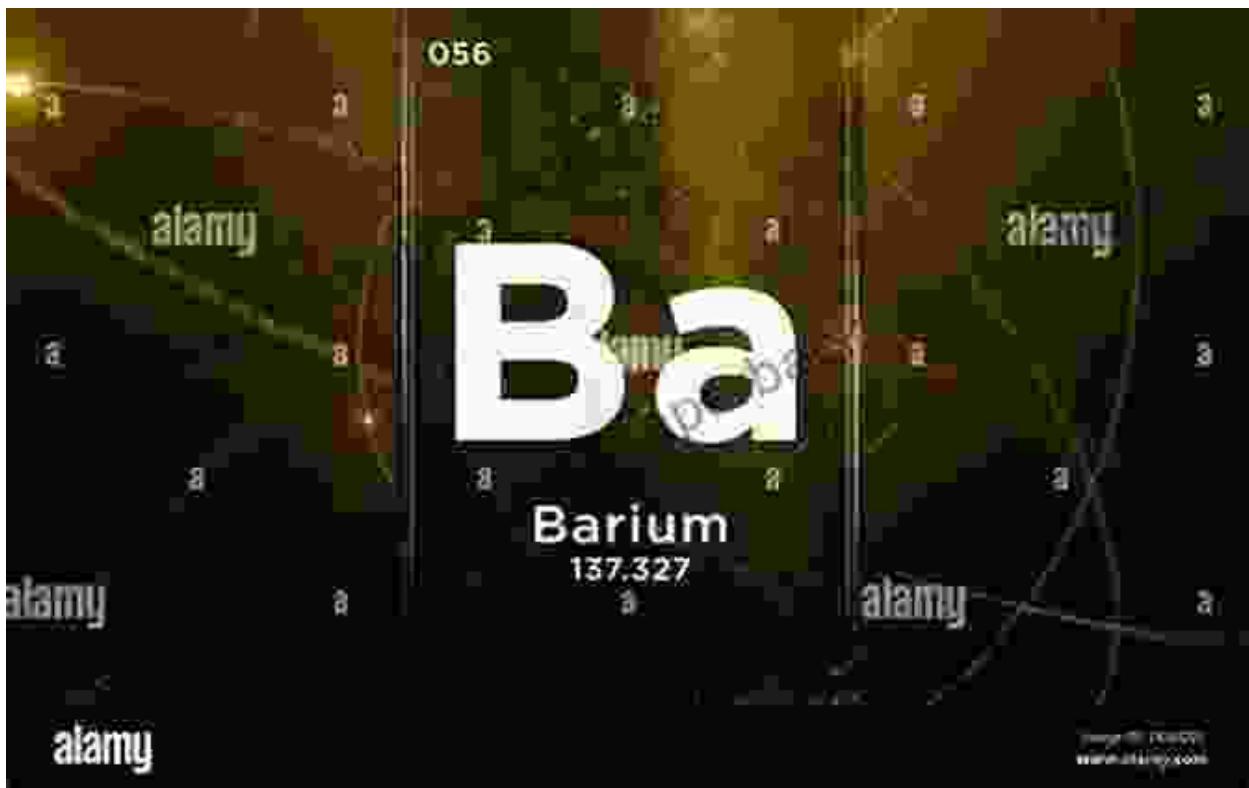
- **Calcium (Ca):** A hard, silvery-white metal that is highly reactive. Calcium is used in bone formation, cement, and food fortification.



- **Strontium (Sr):** A soft, silvery-white metal that is highly reactive. Strontium is used in fireworks, pyrotechnics, and medical imaging.



- **Barium** (Ba): A soft, silvery-white metal that is highly reactive. Barium is used in fireworks, pyrotechnics, and medical imaging.



- **Radium (Ra):** A radioactive, silvery-white metal that is highly reactive. Radium is used in medical imaging and cancer therapy.



Group 3: Transition Metals

- **Scandium (Sc):** A hard, silvery-white metal that is highly reactive. Scandium is used in alloys, high-intensity lighting, and lasers.



- **Yttrium (Y):** A hard, silvery-white metal that is highly reactive. Yttrium is used in alloys, phosphors, and superconductors.



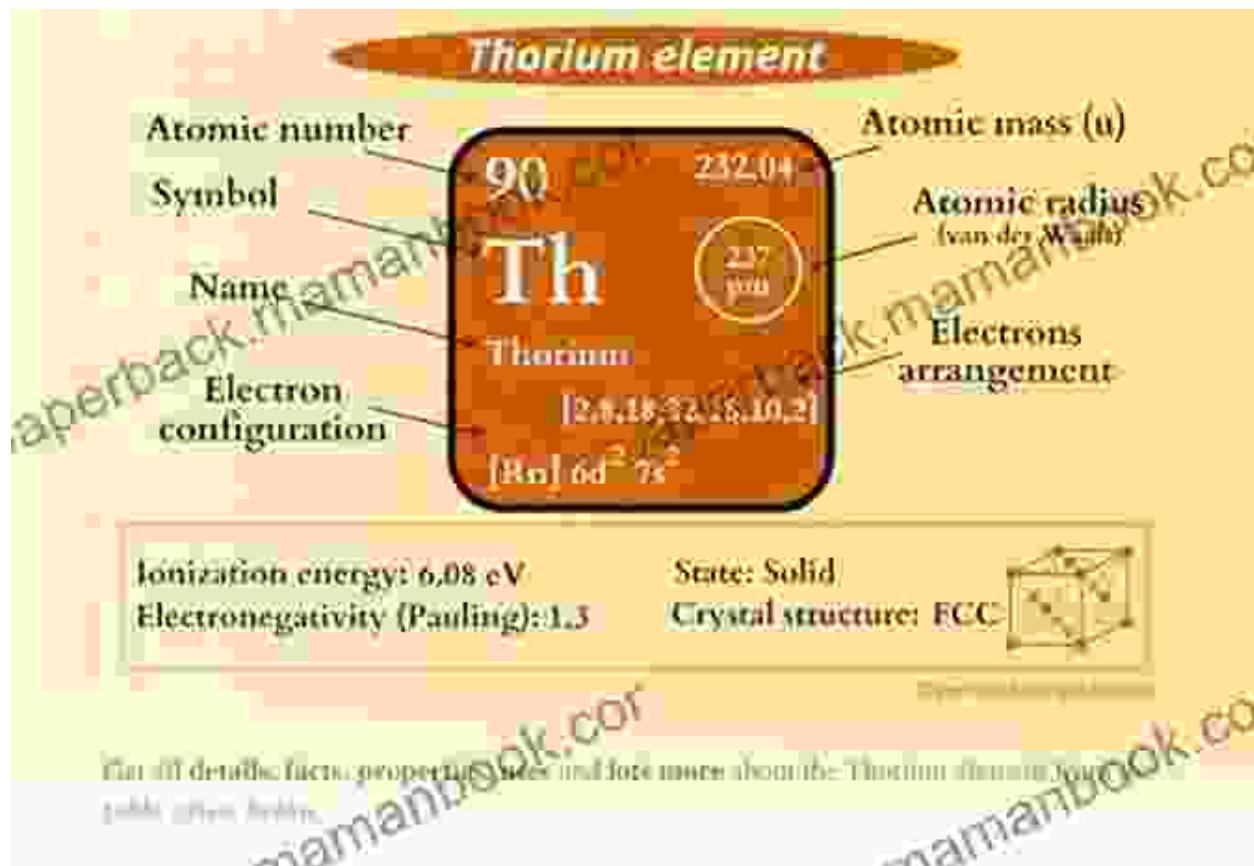
- **Lanthanum (La):** A hard, silvery-white metal that is highly reactive. Lanthanum is used in alloys, catalysts, and phosphors.



- **Actinium (Ac)**: A radioactive, silvery-white metal that is highly reactive. Actinium is used in medical imaging and cancer therapy.



- **Thorium** (Th): A radioactive, silvery-white metal that is highly reactive. Thorium is used in nuclear reactors and medical imaging.



- **Protactinium (Pa):** A radioactive, silvery-white metal that is highly reactive. Pro



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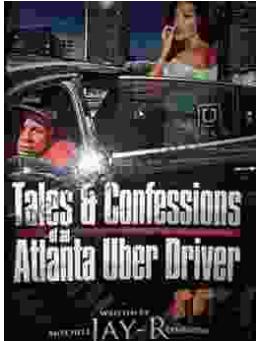
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