

The Periodic Table of the Elements, in Pictures

| Periods | Alkali Metals Group 1 | Alkali Earth Metals Group 2 | Transition Metals | | | | | | | | | | Boron Group 13 | Carbon Group 14 | Nitrogen Group 15 | Oxygen Group 16 | Halogens Group 17 | Noble Gases Group 18 | | | | | | | | | | | | |
|---------|-------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------|------------------------------------|---------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------|---------------------------------------------|---------------------------------------------|------------------------------|-----------------------------------------|--------------------------------------|--------------------------------------------------------------------|-------------------------------|-----------------------------|----------------------|--------------------|-----------------------------|------------------------------|--------------------------------------------|-------------------------------------------|----------------------|------------------------|--------------------------------|---------------------------|
| 1 | H Hydrogen Sun and Stars | He Helium Balloons | | | | | | | | | | | B Boron Sports Equipment | C Carbon Basis of Life's Molecules | N Nitrogen Protein | O Oxygen Air | F Fluorine Toothpaste | Ne Neon Advertising Signs | | | | | | | | | | | | |
| 2 | Li Lithium Batteries | Be Beryllium Emeralds | | | | | | | | | | | Al Aluminum Airplanes | Si Silicon Stone, Sand, and Soil | P Phosphorus Bones | S Sulfur Egg Yolks | Cl Chlorine Swimming Pools | Ar Argon Light Bulbs | | | | | | | | | | | | |
| 3 | Na Sodium Salt | Mg Magnesium Chlorophyll | | | | | | | | | | | K Potassium Fruits and Vegetables | Ca Calcium Shells and Bones | Sc Scandium Bicycles | Ti Titanium Aerospace | V Vanadium Springs | Cr Chromium Stainless Steel | Mn Manganese Earthmovers | Fe Iron Steel Structures | Co Cobalt Magnets | Ni Nickel Coins | Cu Copper Electric Wires | Zn Zinc Brass Instruments | Ga Gallium Light-Emitting Diodes (LEDs) | Ge Germanium Semiconductor Electronics | As Arsenic Poison | Se Selenium Copiers | Br Bromine Photography Film | Kr Krypton Flashlights |
| 4 | Rb Rubidium Global Navigation | Sr Strontium Fireworks | Y Yttrium Lasers | Zr Zirconium Chemical Pipelines | Nb Niobium Mag Lev Trains | Mo Molybdenum Cutting Tools | Tc Technetium Radioactive Diagnosis | Ru Ruthenium Electric Switches | Rh Rhodium Searchlight Reflectors | Pd Palladium Pollution Control | Ag Silver Jewelry | Cd Cadmium Paint | In Indium Liquid Crystal Displays (LCDs) | Sn Tin Plated Food Cans | Sb Antimony Car Batteries | Te Tellurium Thermoelectric Coolers | I Iodine Disinfectant | Xe Xenon High-Intensity Lamps | | | | | | | | | | | | |
| 5 | Cs Cesium Atomic Clocks | Ba Barium X-Ray Diagnosis | Rare Earth Metals | | Hf Hafnium Nuclear Submarines | Ta Tantalum Mobile Phones | W Tungsten Lamp Filaments | Re Rhenium Rocket Engines | Os Osmium Pen Points | Ir Iridium Spark Plugs | Pt Platinum Labware | Au Gold Jewelry | Hg Mercury Thermometers | Tl Thallium Low-Temperature Thermometers | Pb Lead Weights | Bi Bismuth Fire Sprinklers | Po Polonium Anti-Static Brushes | At Astatine Radioactive Medicine | Rn Radon Surgical Implants | | | | | | | | | | | |
| 6 | Fr Francium Laser Atom Traps | Ra Radium Luminous Watches | Actinide Metals | | Rf Rutherfordium | Db Dubnium | Sg Seaborgium | Bh Bohrium | Hs Hassium | Mt Meitnerium | Ds Darmstadtium | Rg Roentgenium | Cn Copernicium | Uut Ununtrium | Fl Flerovium | Uup Ununpentium | Lv Livermorium | Uus Ununseptium | Uuo Ununoctium | | | | | | | | | | | |
| 7 | Superheavy Elements radioactive, never found in nature, no uses except atomic research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Rare Earth Metals | | La Lanthanum Telescope Lenses | Ce Cerium Lighter Flints | Pr Praseodymium Torchworkers' Eyeglasses | Nd Neodymium Electric Motor Magnets | Pm Promethium Luminous Dials | Sm Samarium Electric Motor Magnets | Eu Europium Color Televisions | Gd Gadolinium MRI Diagnosis | Tb Terbium Fluorescent Lamps | Dy Dysprosium Smart Material Actuators | Ho Holmium Laser Surgery | Er Erbium Optical Fiber Communications | Tm Thulium Laser Surgery | Yb Ytterbium Scientific Fiber Lasers | Lu Lutetium Photodynamic Medicine | Actinide Metals | | | | | | | | | | | | |
| 9 | Actinide Metals | | Ac Actinium Radioactive Medicine | Th Thorium Gas Lamp Mantles | Pa Protactinium Radioactive Waste | U Uranium Nuclear Power | Np Neptunium Radioactive Waste | Pu Plutonium Nuclear Weapons | Am Americium Smoke Detectors | Cm Curium Mineral Analyzers | Bk Berkelium Radioactive Waste | Cf Californium Mineral Analyzers | Es Einsteinium | Fm Fermium | Md Mendeleevium | No Nobelium | Lr Lawrencium | radioactive, never found in nature, no uses except atomic research | | | | | | | | | | | | |

