

Exploring the Periodic Table

Solids / Liquids / Gases

Periods
1
2
3
4
5
6
7
8

Group 1 H 1 Hydrogen Sun and Stars	Group 2 Li 3 Lithium Batteries	Be 4 Beryllium Emeralds	Na 11 Sodium Salt	Mg 12 Magnesium Chlorophyll	K 19 Potassium Fruits and Vegetables	Ca 20 Calcium Shells and Bones	Rb 37 Rubidium Global Navigation	Sr 38 Strontium Fireworks	Cs 55 Cesium Atomic Clocks	Fr 87 Francium Laser Atom Traps
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- Solid
 - Liquid
 - Gas at room temperature
 - Human Body top ten elements by weight
 - Earth's Crust top eight elements by weight
 - Magnetic ferromagnetic at room temperature
 - Noble Metals corrosion-resistant
 - Radioactive all isotopes are radioactive
 - Only Traces Found in Nature less than a millionth percent of earth's crust
 - Never Found in Nature only made by people
- The color of the symbol is the color of the element in its most common pure form.
Examples: metallic solid, red liquid, colorless gas

COLOR all Solids ... GREEN

COLOR all liquids ... BLUE

COLOR all gases ... YELLOW

B 5 Boron Sports Equipment	C 6 Carbon Basis of Life's Molecules	N 7 Nitrogen Protein	O 8 Oxygen Air	F 9 Fluorine Toothpaste	Ne 10 Neon Advertising Signs	Al 13 Aluminum Aircraft	Si 14 Silicon Stone, Sand, and Soil	P 15 Phosphorus Bones	S 16 Sulfur Egg Yolks	Cl 17 Chlorine Swimming Pools	Ar 18 Argon Light Bulbs	Ga 31 Gallium Light-Emitting Diodes (LEDs)	Ge 32 Germanium Semiconductor Electronics	As 33 Arsenic Poison	Se 34 Selenium Copiers	Br 35 Bromine Photography Film	Kr 36 Krypton Flashlights
Zn 30 Zinc Brass Instruments	Cd 48 Cadmium Paint	In 49 Indium Liquid Crystal Displays (LCDs)	Sn 50 Tin Plated Food Cans	Sb 51 Antimony Car Batteries	Te 52 Tellurium Thermoelectric Coolers	I 53 Iodine Disinfectant	Xe 54 Xenon High-Intensity Lamps	Pb 82 Lead Weights	Bi 83 Bismuth Fire Sprinklers	Po 84 Polonium Anti-Static Brushes	At 85 Astatine Radioactive Medicine	Rn 86 Radon Surgical Implants	Superheavy Elements radioactive, never found in nature, no uses except atomic research				

La 57 Lanthanum Telescope Lenses	Ce 58 Cerium Lighter Flints	Pr 59 Praseodymium Torchworkers' Eyeglasses	Nd 60 Neodymium Electric Motor Magnets	Pm 61 Promethium Luminous Dials	Sm 62 Samarium Electric Motor Magnets	Eu 63 Europium Color Televisions	Gd 64 Gadolinium MRI Diagnosis	Tb 65 Terbium Fluorescent Lamps	Dy 66 Dysprosium Smart Material Actuators	Ho 67 Holmium Laser Surgery	Er 68 Erbium Optical Fiber Communications	Tm 69 Thulium Laser Surgery	Yb 70 Ytterbium Scientific Fiber Lasers	Lu 71 Lutetium Photodynamic Medicine
Ac 89 Actinium Radioactive Medicine	Th 90 Thorium Gas Lamp Mantles	Pa 91 Protactinium Radioactive Waste	U 92 Uranium Nuclear Power	Np 93 Neptunium Radioactive Waste	Pu 94 Plutonium Nuclear Weapons	Am 95 Americium Smoke Detectors	Cm 96 Curium Mineral Analyzers	Bk 97 Berkelium Radioactive Waste	Cf 98 Californium Mineral Analyzers	Es 99 Einsteinium radioactive, never found in nature, no uses except atomic research	Fm 100 Fermium radioactive, never found in nature, no uses except atomic research	Md 101 Mendelevium radioactive, never found in nature, no uses except atomic research	No 102 Nobelium radioactive, never found in nature, no uses except atomic research	Lr 103 Lawrencium radioactive, never found in nature, no uses except atomic research