CurioKidz
Centre for Hands-on Science

# The Periodic Table of the Elements

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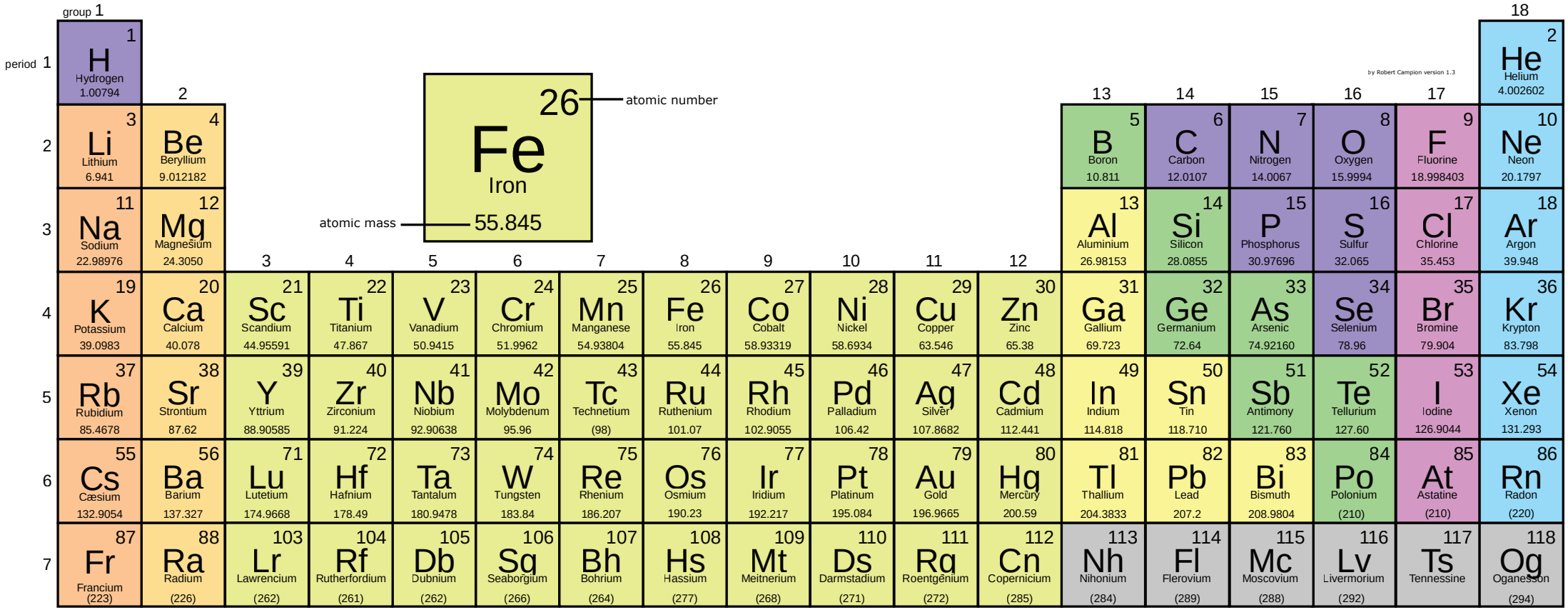


- alkali metals
- alkaline metals
- other metals
- transition metals
- lanthanoids
- actinoids
- metalloids
- nonmetals
- halogens
- noble gases
- unknown elements
- radioactive elements have masses in parentheses

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 La Lanthanum 138.9054 | 58 Ce Cerium 140.116 | 59 Pr Praseodymium 140.9076 | 60 Nd Neodymium 144.242 | 61 Pm Promethium (145) | 62 Sm Samarium 150.36 | 63 Eu Europium 151.964 | 64 Gd Gadolinium 157.25 | 65 Tb Terbium 158.9253 | 66 Dy Dysprosium 162.500 | 67 Ho Holmium 164.9303 | 68 Er Erbium 167.259 | 69 Tm Thulium 168.9342 | 70 Yb Ytterbium 173.054 |
| 89 Ac Actinium (227) | 90 Th Thorium 232.0380 | 91 Pa Protactinium 231.0358 | 92 U Uranium 238.0289 | 93 Np Neptunium (237) | 94 Pu Plutonium (244) | 95 Am Americium (243) | 96 Cm Curium (247) | 97 Bk Berkelium (247) | 98 Cf Californium (251) | 99 Es Einsteinium (252) | 100 Fm Fermium (257) | 101 Md Mendelevium (258) | 102 No Nobelium (259) |

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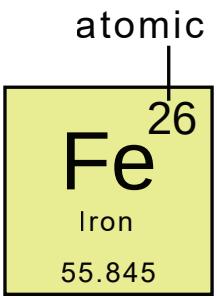



## What is an atomic number?

The atomic number of an element denotes the number of protons present in the atom of the element.

| | | | | |
|---|---|---|---|---|
| 5 B Boron 10.811 | 6 C Carbon 12.0107 | 7 N Nitrogen 14.0067 | 8 O Oxygen 15.9994 | 9 F Fluorine 18.998403 |
| 13 Al Aluminium 26.98153 | 14 Si Silicon 28.0855 | 15 P Phosphorus 30.97696 | 16 S Sulfur 32.065 | 17 Cl Chlorine 35.453 |
| 31 Ga Gallium 69.723 | 32 Ge Germanium 72.64 | 33 As Arsenic 74.92160 | 34 Se Selenium 78.96 | 35 Br Bromine 79.904 |
| 49 In Indium 114.818 | 50 Sn Tin 118.710 | 51 Sb Antimony 121.760 | 52 Te Tellurium 127.60 | 53 I Iodine 126.9044 |
| 81 Tl Thallium 204.3833 | 82 Pb Lead 207.2 | 83 Bi Bismuth 208.9804 | 84 Po Polonium (210) | 85 At Astatine (210) |

## Example:

**6 13 81**

6 C Carbon 12.0107

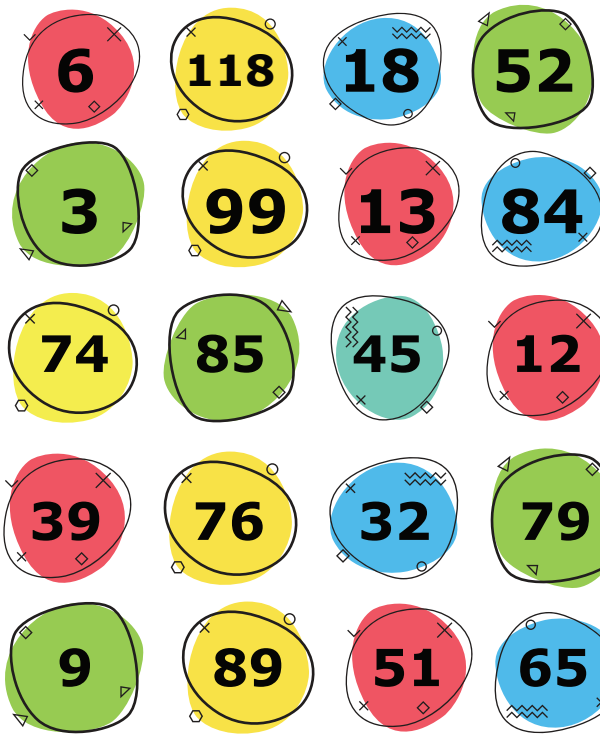
* 13 Al Aluminium 26.98153

* 81 Tl Thallium

Ans: CAT

*Note: If an element has two letters, use only the first letter

## Solve these:




Answers: Coat, Leap, Warm, Yoga, Fast