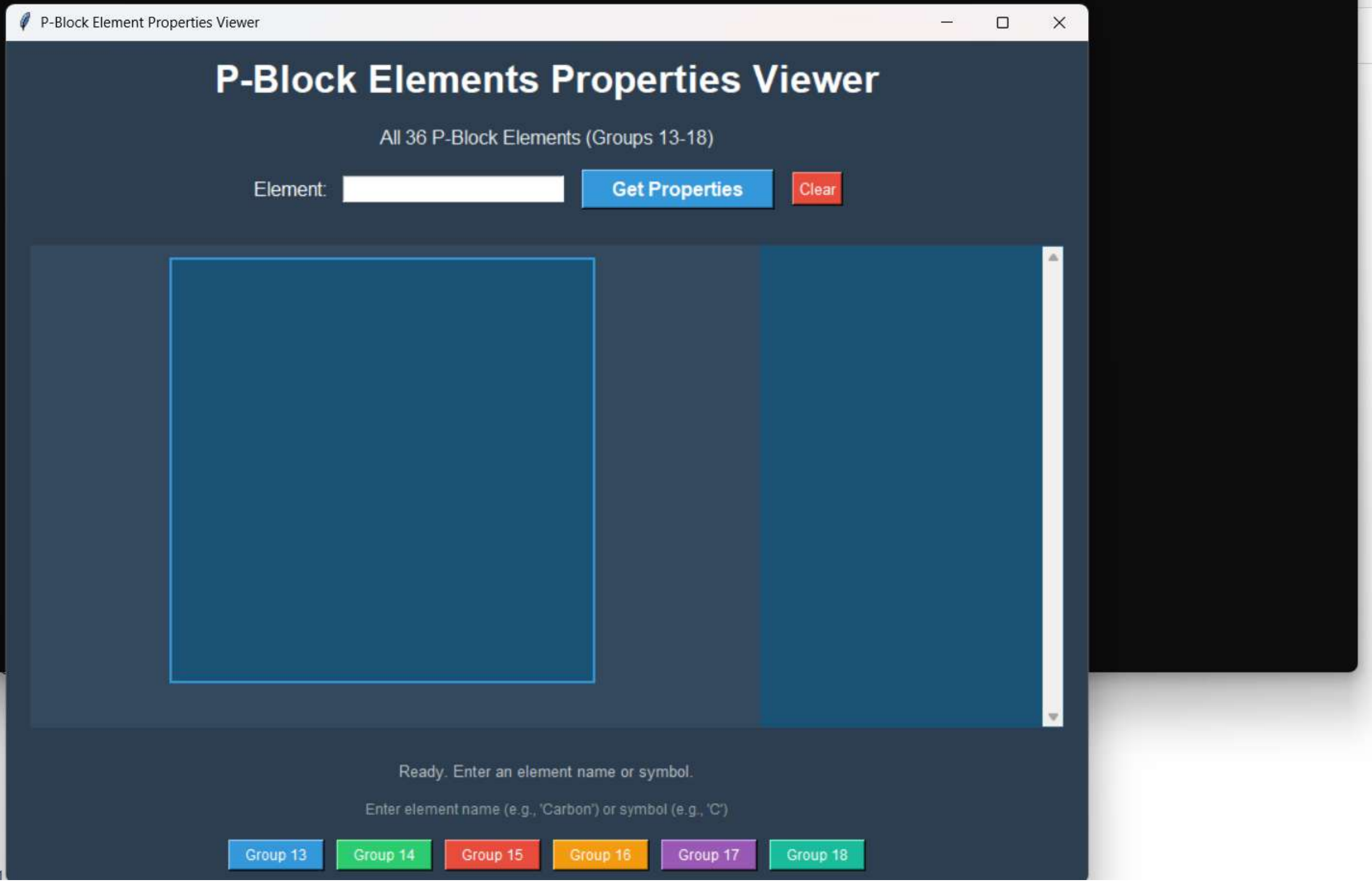
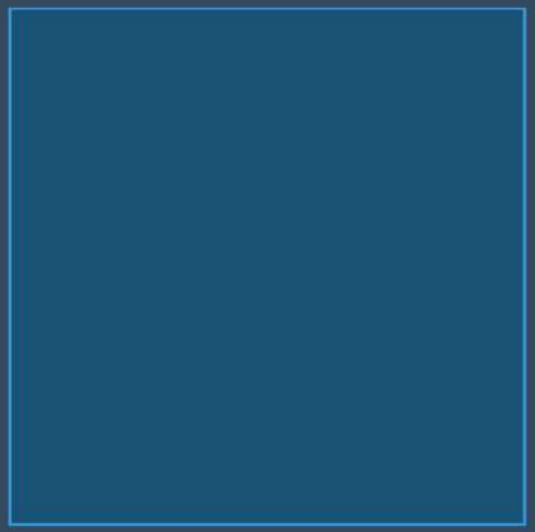

P-Block Element Properties Viewer
P-Block Elements Properties Viewer
All 36 P-Block Elements (Groups 13-18)
Element:
Get Properties
Clear
Ready. Enter an element name or symbol.
Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')
Group 13
Group 14
Group 15
Group 16
Group 17
Group 18

P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: Get Properties Clear



Ready. Enter an element name or symbol.

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

Group 13 Group 14 Group 15 Group 16 Group 17 Group 18

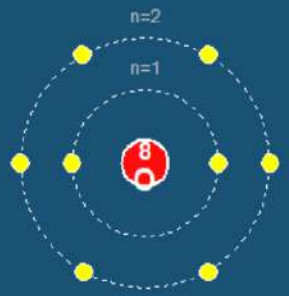
P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: O | Get Properties | Clear

Atomic Structure of Oxygen



Electron Config: [He] 2s² 2p⁴

Oxygen Properties

Symbol: O
Atomic Number: 8
Group: 16 (Oxygen Group (Chalcogens))
Period: 2
Block: p
Standard State: Gas
Electron Configuration: [He] 2s² 2p⁴
Electronegativity: 3.44
Atomic Radius: 60 pm
Density: 1.43 g/L
Melting Point: -218.8°C
Boiling Point: -183.0°C

Classification: Nonmetal Gas

Interesting Facts:
- Belongs to the Oxygen Group (Chalcogens)
- Oxygen is the most abundant element in Earth's crust
- Essential for respiration in most living organisms
- Ozone (O_3) protects Earth from UV radiation
- Oxygen was discovered by Joseph Priestley in 1774

Displaying properties for Oxygen

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

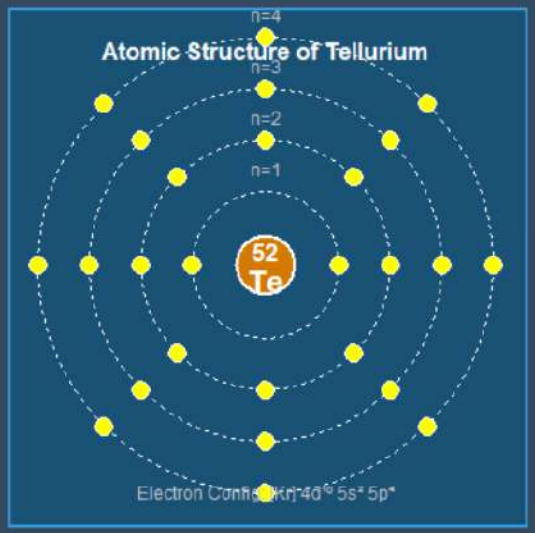
Group 13 | Group 14 | Group 15 | Group 16 | Group 17 | Group 18

P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: Te | Get Properties | Clear



Tellurium Properties

Symbol: Te
Atomic Number: 52
Group: 16 (Oxygen Group (Chalcogens))
Period: 5
Block: p
Standard State: Solid
Electron Configuration: [Kr] $4d^{10}\ 5s^2\ 5p^4$
Electronegativity: 2.1
Atomic Radius: 123 pm
Density: 6.24 g/cm^3
Melting Point: 449.5°C
Boiling Point: 988°C

Classification: Metalloid

Interesting Facts:
- Belongs to the Oxygen Group (Chalcogens)
- Tellurium is an important p-block element
- Found in period 5, group 16
- Electron configuration: [Kr] $4d^{10}\ 5s^2\ 5p^4$
- Has applications in various industries

Displaying properties for Tellurium

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

Group 13 | Group 14 | Group 15 | Group 16 | Group 17 | Group 18

P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: H | Get Properties | Clear

ERROR: Element Not Found

'H' is not a recognized p-block element.

P-block elements are in Groups 13-18 of the periodic table.

Examples of p-block elements:
- Boron (B)
- Carbon (C)
- Nitrogen (N)
- Oxygen (O)
- Fluorine (F)
- Aluminium (Al)
- Silicon (Si)
- Phosphorus (P)

'H' not found or not a p-block element

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

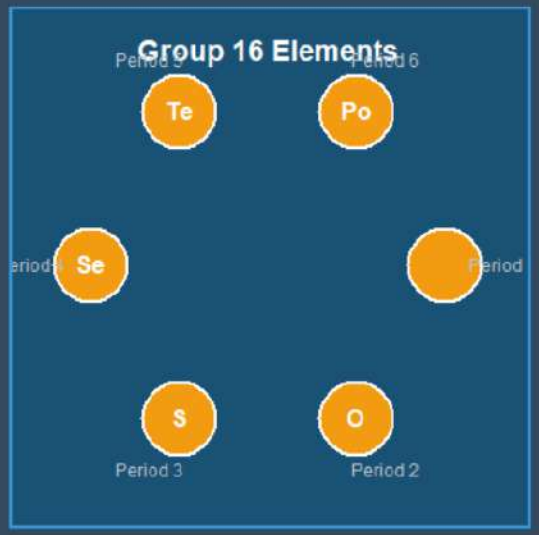
Group 13 | Group 14 | Group 15 | Group 16 | Group 17 | Group 18

P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: Get Properties Clear



Group 16 Elements

Chalcogens
Oxygen Group

- Oxygen (O): Atomic # 8
- Sulfur (S): Atomic # 16
- Selenium (Se): Atomic # 34
- Tellurium (Te): Atomic # 52
- Polonium (Po): Atomic # 84

Showing 5 elements from Group 16

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

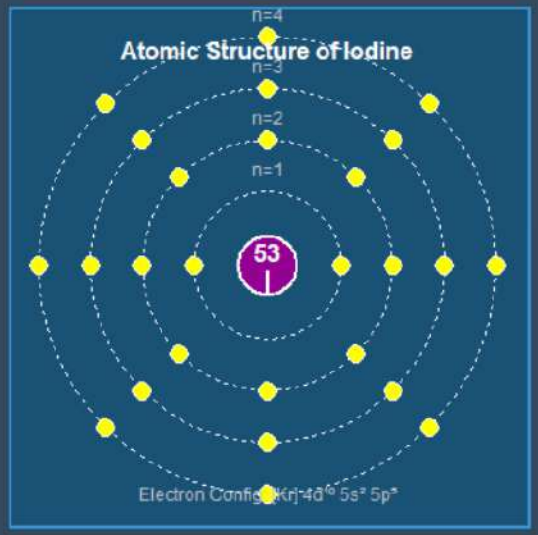
Group 13 Group 14 Group 15 Group 16 Group 17 Group 18

P-Block Element Properties Viewer

P-Block Elements Properties Viewer

All 36 P-Block Elements (Groups 13-18)

Element: I Get Properties Clear



Iodine Properties

Symbol: I
Atomic Number: 53
Group: 17 (Halogens)
Period: 5
Block: p
Standard State: Solid
Electron Configuration: [Kr] $4d^{10}$ $5s^2$ $5p^5$
Electronegativity: 2.66
Atomic Radius: 115 pm
Density: 4.93 g/cm³
Melting Point: 113.7°C
Boiling Point: 184.3°C

Classification: Halogen

Interesting Facts:
- Belongs to the Halogens
- Iodine is essential for thyroid hormone production
- Iodine vapor is violet in color
- Used as an antiseptic (tincture of iodine)
- Iodine deficiency can cause goiter

Displaying properties for Iodine

Enter element name (e.g., 'Carbon') or symbol (e.g., 'C')

Group 13 Group 14 Group 15 Group 16 Group 17 Group 18