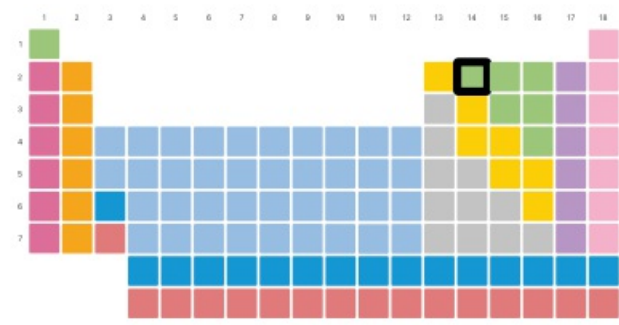


# Carbon

## Other Nonmetal



Symbol

**C**

Atomic number

**6**

Atomic weight (amu)

**12.01**

Atomic radius (pm)

**67**

Melting Point (K)

**3823**

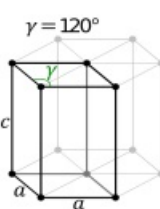
Boiling Point (K)

**4300**

Phase - Solid



Crystal Structure



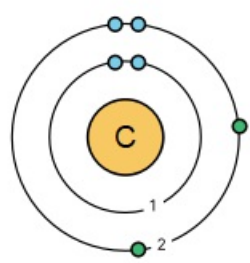
Simple Hexagonal

History

The element Carbon was discovered by Egyptians and Sumerians in year 3750 BCE in . Carbon was first isolated by in . Carbon derived its name the Latin word carbo, meaning 'coal'.

Appearance

graphite: black, diamond: clear



s ●  
p ●

[He] 2s<sup>2</sup> 2p<sup>2</sup>  
[2, 4]

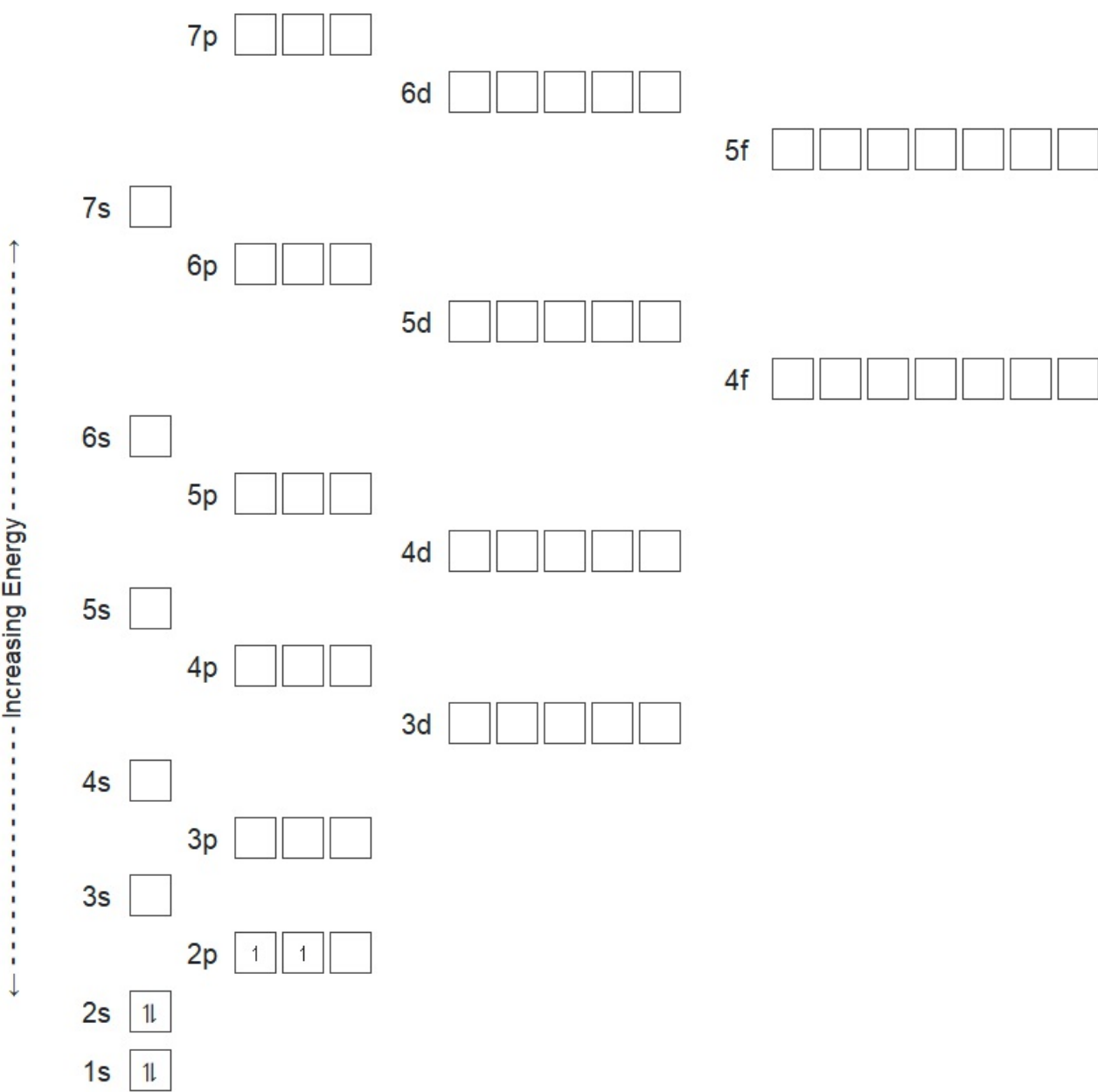
**SCHOOLMYKIDS**

LEARNING. REVIEWS. SCHOOLS

# Carbon

## Other Nonmetal

Electronic Configuration



6

12.0107

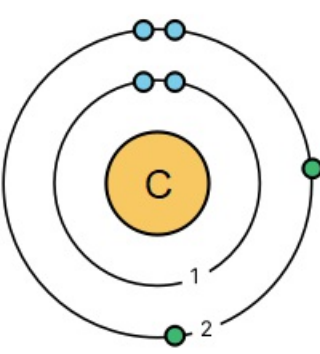
C

Carbon

[He] 2s<sup>2</sup> 2p<sup>2</sup>

Solid

Simple Hexagonal



s ●  
p ●

[He] 2s<sup>2</sup> 2p<sup>2</sup>  
[2, 4]

**SCHOOLMYKIDS**

LEARNING. REVIEWS. SCHOOLS