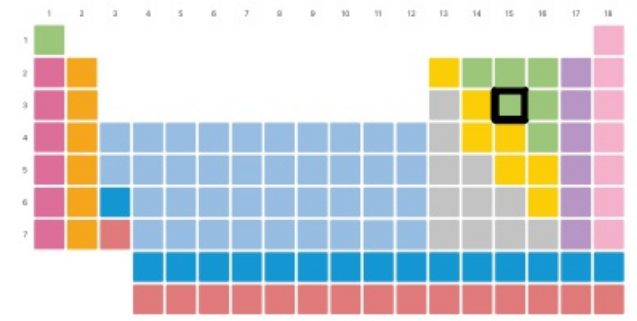


Phosphorus

Other Nonmetal



Symbol

P

Atomic number

15

Atomic weight (amu)

30.97

Atomic radius (pm)

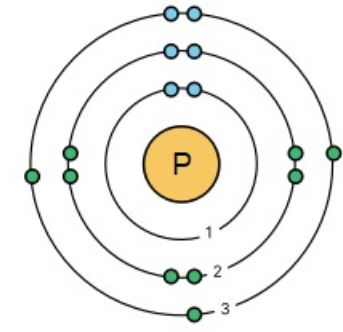
98

Melting Point (K)

317.3

Boiling Point (K)

553.6

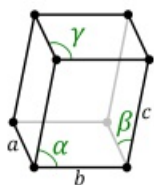


s ●
p ●

Phase - Solid



Crystal Structure



Simple Triclinic

History

The element Phosphorus was discovered by H. Brand in year 1669 in Germany . Phosphorus was first isolated by H. Brand in 1669 . Phosphorus derived its name from the Greek word phosporos, 'carrying light'.

Appearance

colourless, waxy white, yellow, scarlet, red, violet, black

[Ne] 3s² 3p³
[2, 8, 5]

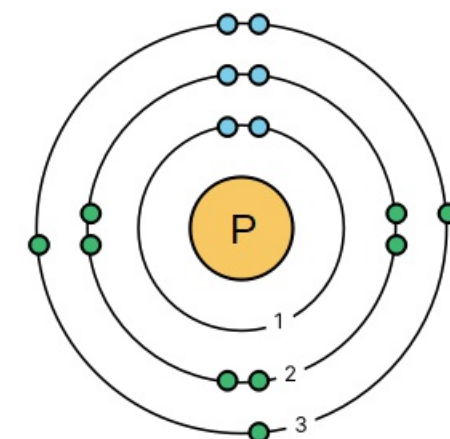
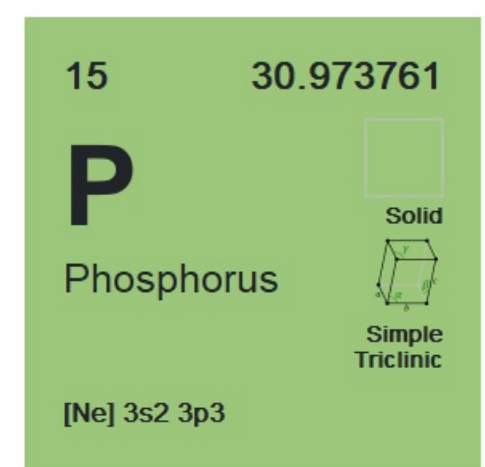
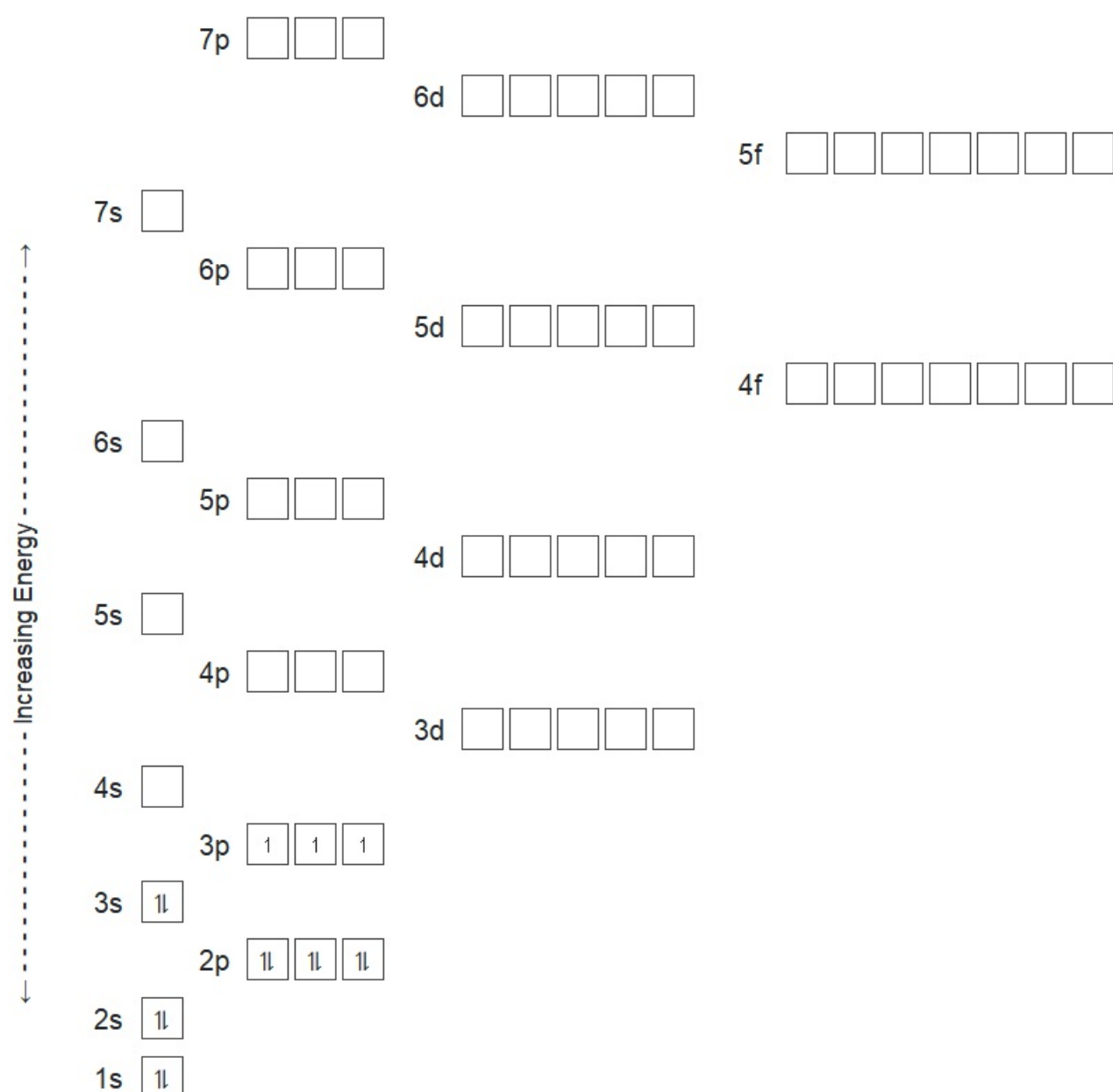
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Phosphorus

Other Nonmetal

Electronic Configuration



s ●
p ●

[Ne] 3s² 3p³
[2, 8, 5]

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