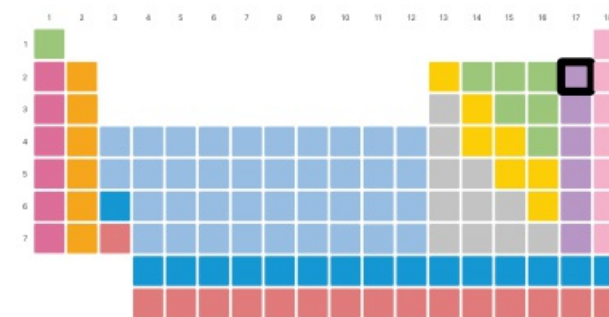


# Fluorine

## Halogens



Symbol

**F**

Atomic number

**9**

Atomic weight (amu)

**18.99**

Atomic radius (pm)

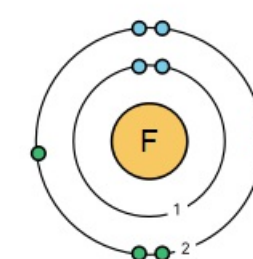
**42**

Melting Point (K)

**53.5**

Boiling Point (K)

**85.03**

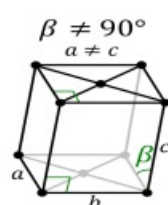


s ●  
p ●

Phase - Gas



Crystal Structure



Base Centered Monoclinic

### History

The element Fluorine was discovered by A.-M. Ampère in year 1810 in France . Fluorine was first isolated by H. Moissan in 1886 . Fluorine derived its name from the Latin fluere, meaning 'to flow'.

[He] 2s<sup>2</sup> 2p<sup>5</sup>  
[2, 7]

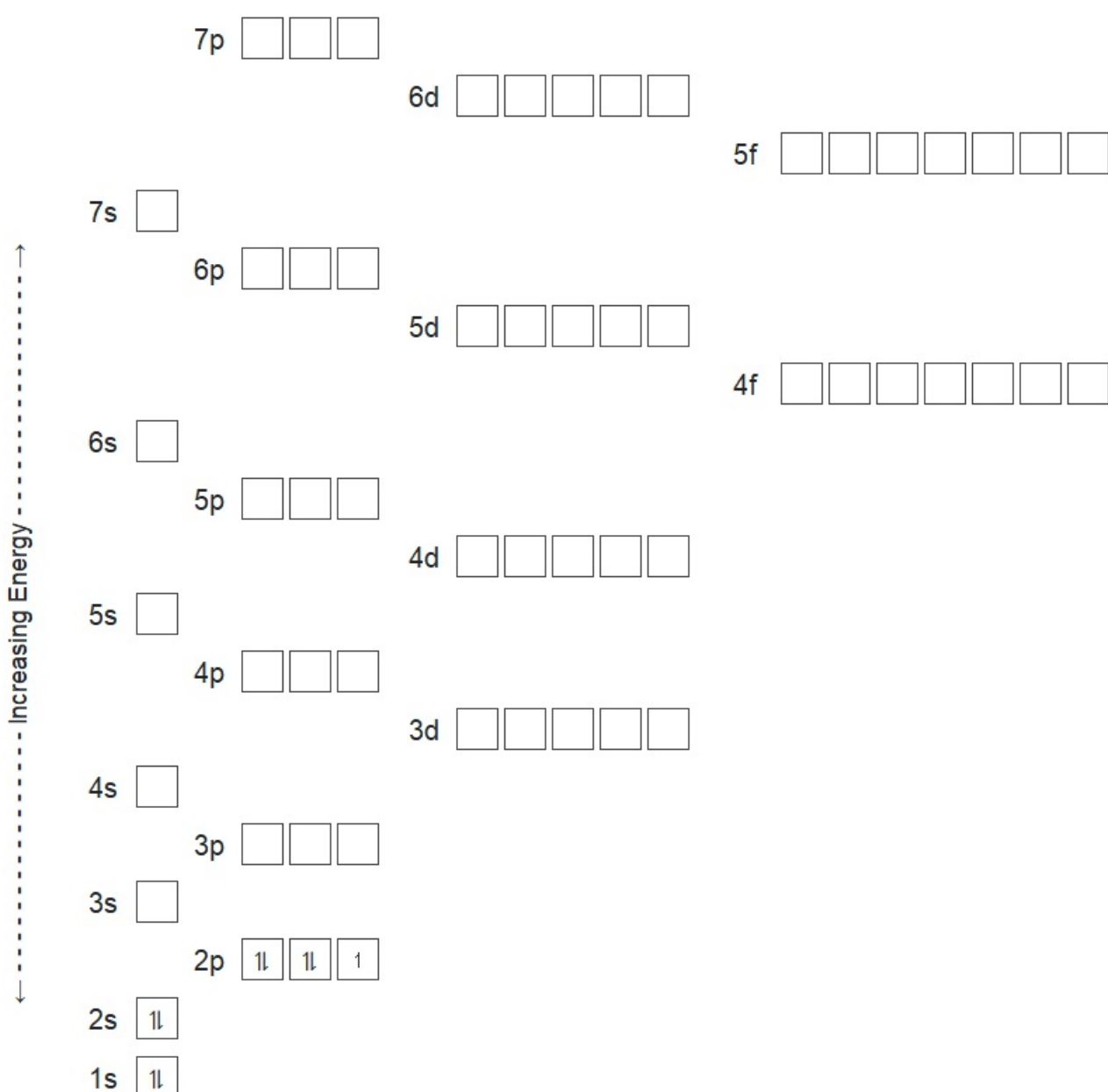
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# Fluorine

## Halogens

Electronic Configuration



9

18.9984032

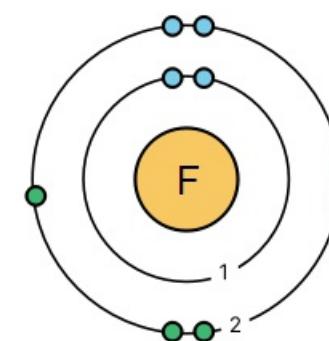
F

Fluorine

Gas

Base Centered Monoclinic

[He] 2s<sup>2</sup> 2p<sup>5</sup>



s ●  
p ●

[He] 2s<sup>2</sup> 2p<sup>5</sup>  
[2, 7]

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