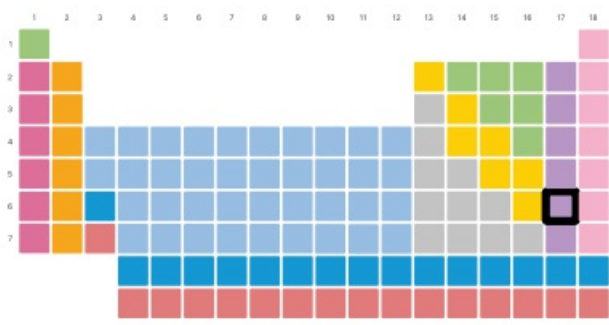


# Astatine

## Halogens



Symbol

At

Atomic number

85

Atomic weight (amu)

210

Atomic radius (pm)

127

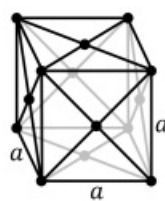
Melting Point (K)

575

Phase - Solid



Crystal Structure



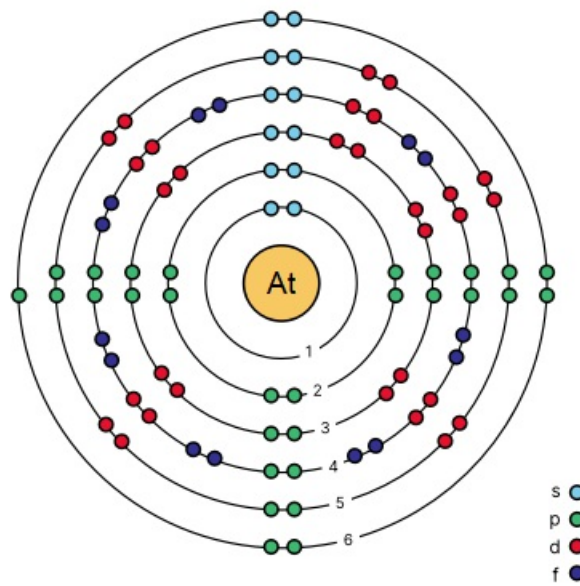
Face Centered Cubic

### History

The element Astatine was discovered by R. Corson, R. MacKenzie and E. Segrè in year 1940 in United States . Astatine was first isolated by in . Astatine derived its name from the Greek astatos, 'unstable'.

### Appearance

unknown, probably metallic



[Xe] 4f14 5d10 6s2 6p5  
[2, 8, 18, 32, 18, 7]

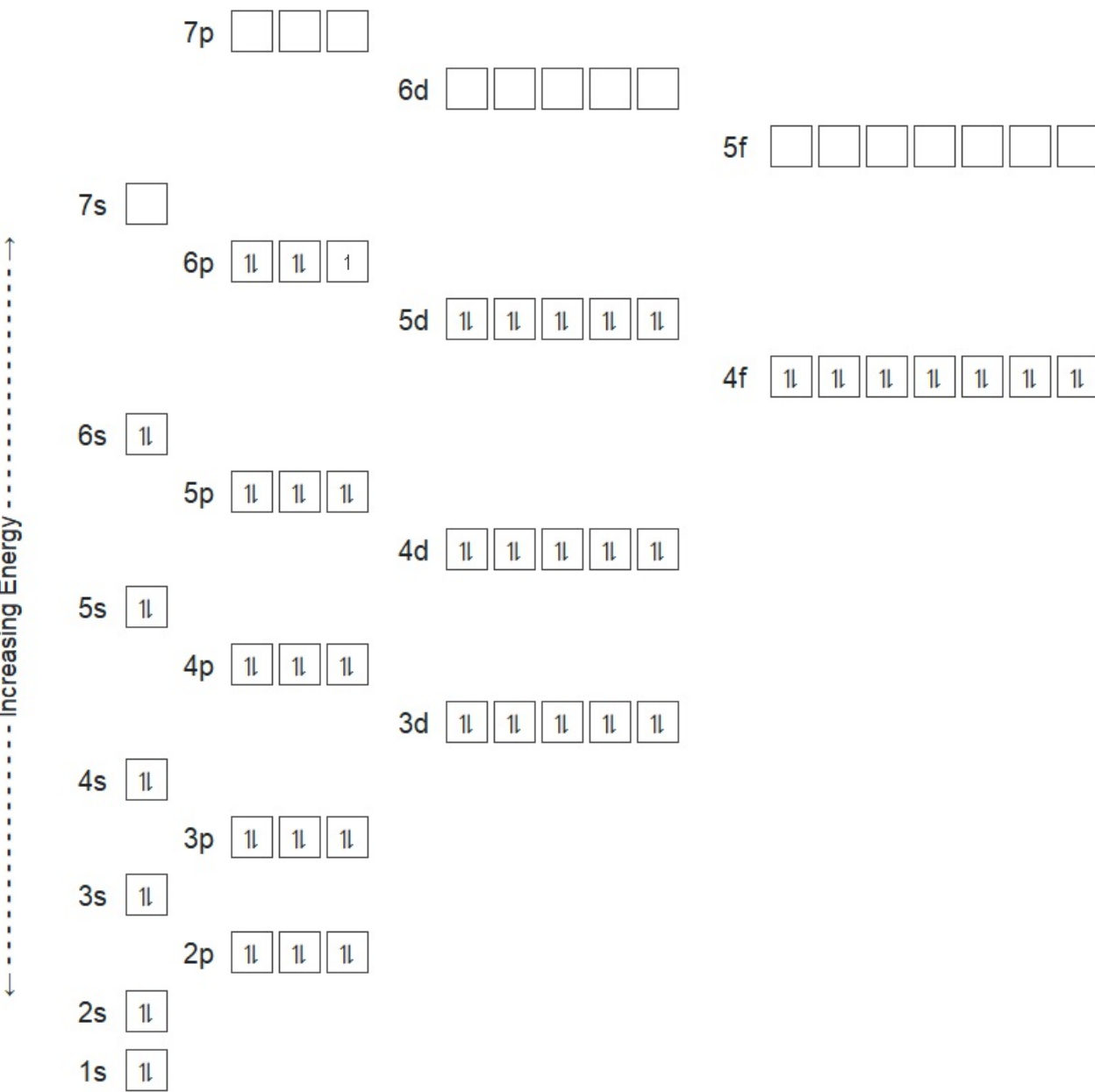
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# Astatine

## Halogens

Electronic Configuration



85

At

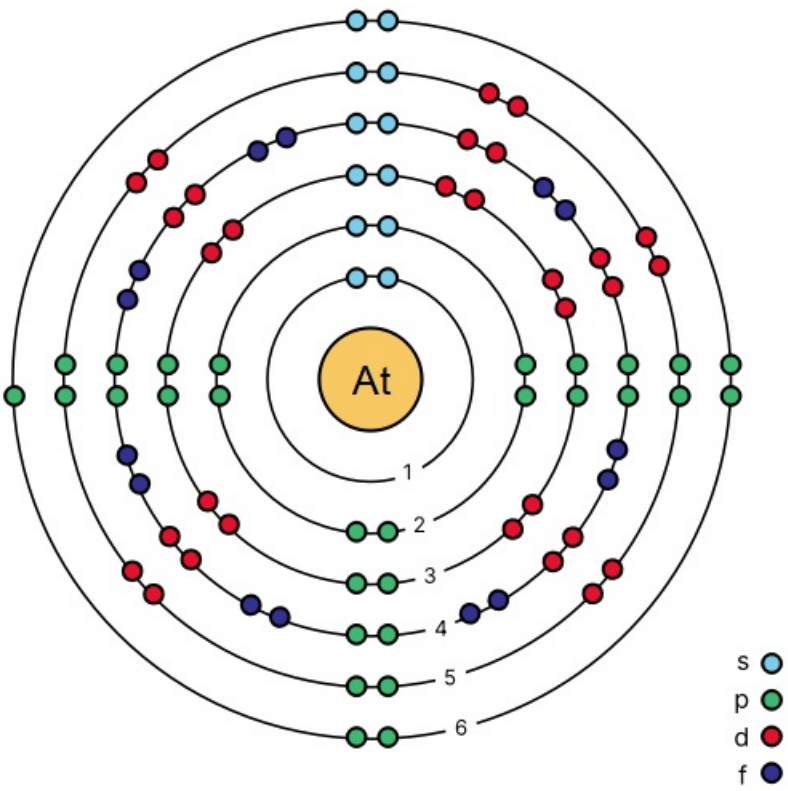
Astatine

[Xe] 4f14 5d10 6s2 6p5

210

Solid

Face Centered Cubic



[Xe] 4f14 5d10 6s2 6p5  
[2, 8, 18, 32, 18, 7]

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