

Terbium

Lanthanide

Symbol

Tb

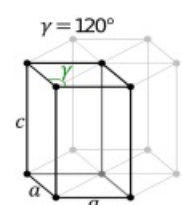
Atomic radius (pm)

225

Phase - Solid



Crystal Structure



Simple Hexagonal

Atomic number

65

Melting Point (K)

1629

History

The element Terbium was discovered by G. Mosander in year 1842 in Sweden . Terbium was first isolated by J.C.G. de Marignac in 1886 . Terbium derived its name from Ytterby, Sweden.

Appearance

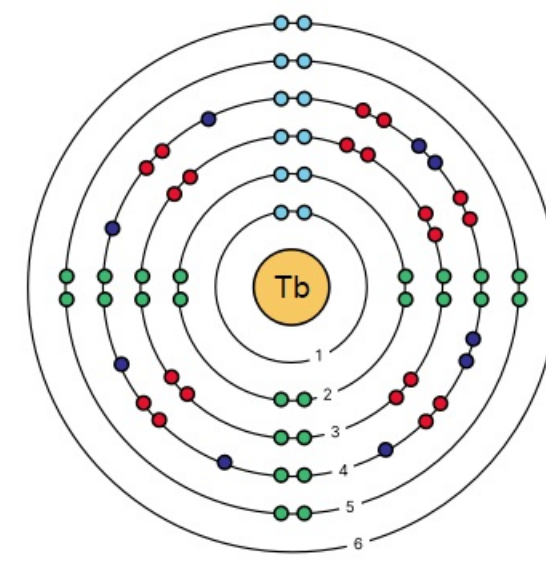
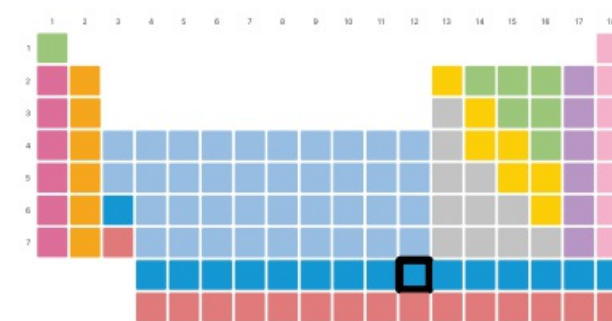
silvery white

Atomic weight (amu)

158.92

Boiling Point (K)

3503



[Xe] 4f⁹ 6s²
[2, 8, 18, 27, 8, 2]

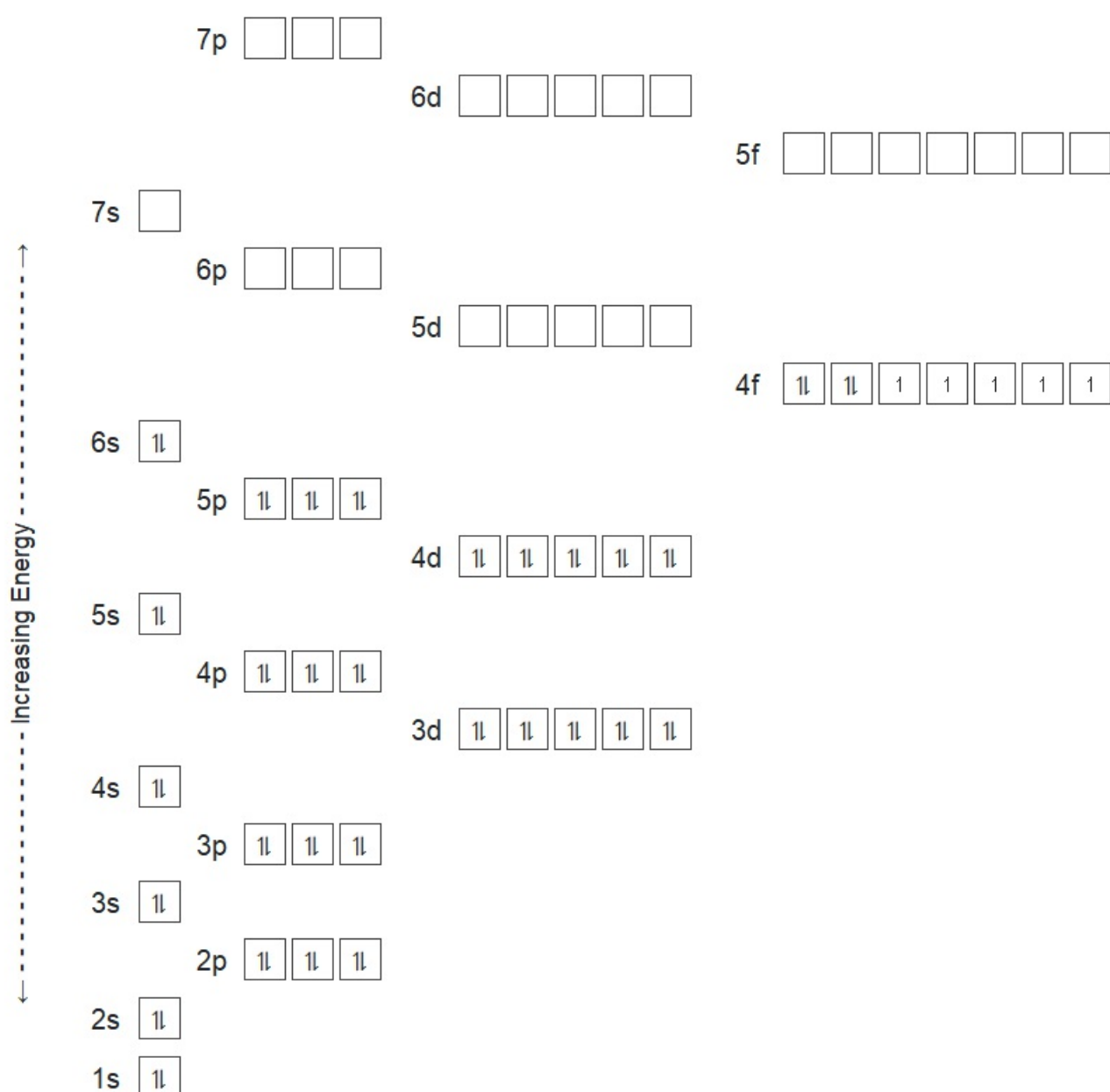
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Terbium

Lanthanide

Electronic Configuration



65

158.92534

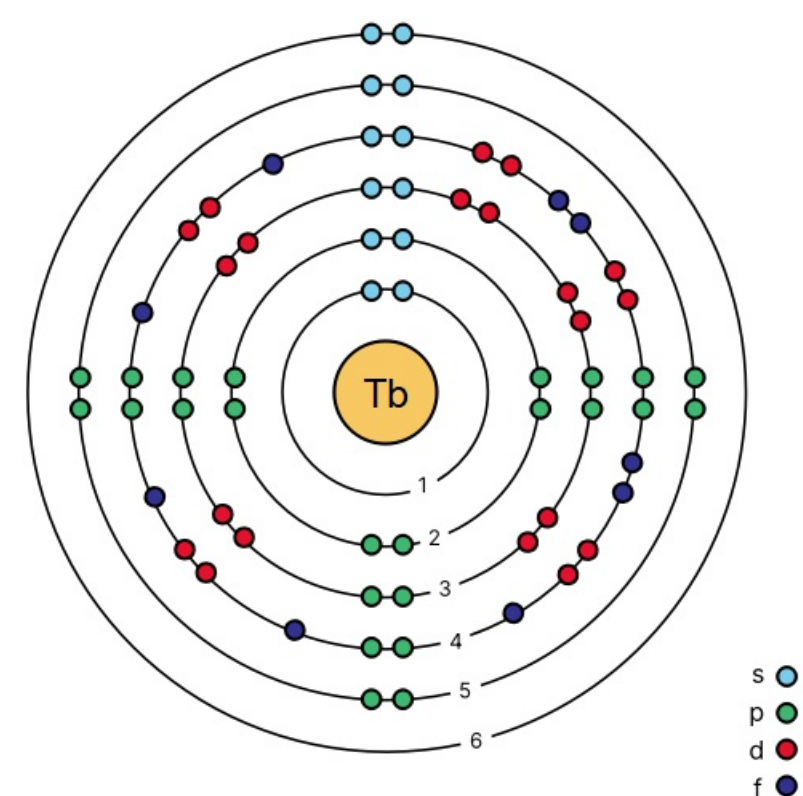
Tb

Terbium

[Xe] 4f⁹ 6s²

Solid

Simple Hexagonal



[Xe] 4f⁹ 6s²
[2, 8, 18, 27, 8, 2]

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