

Samarium

Lanthanide

Symbol

Sm

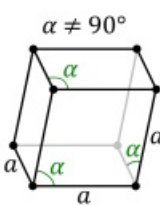
Atomic radius (pm)

238

Phase - Solid



Crystal Structure



Simple Trigonal

Atomic number

62

Melting Point (K)

1345

History

The element Samarium was discovered by P.E.L. de Boisbaudran in year 1879 in France . Samarium was first isolated by P.E.L. de Boisbaudran in 1879 . Samarium derived its name from Samarskite, the name of the mineral from which it was first isolated.

Appearance

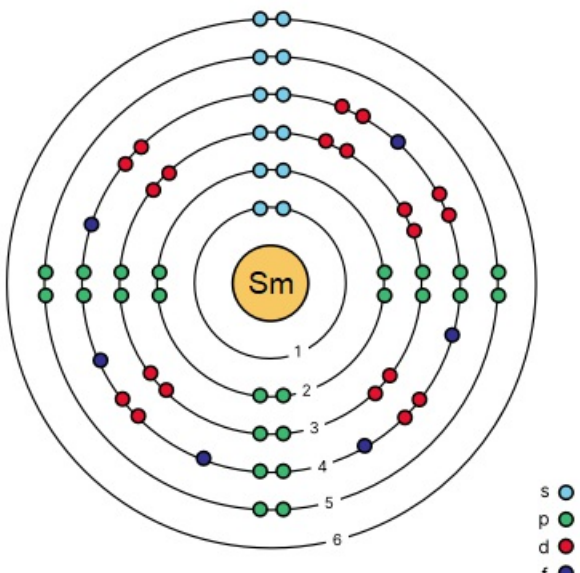
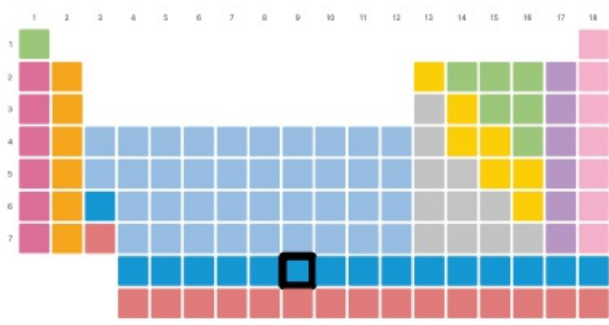
silvery white

Atomic weight (amu)

150.36

Boiling Point (K)

2076



[Xe] 4f6 6s2
[2, 8, 18, 24, 8, 2]

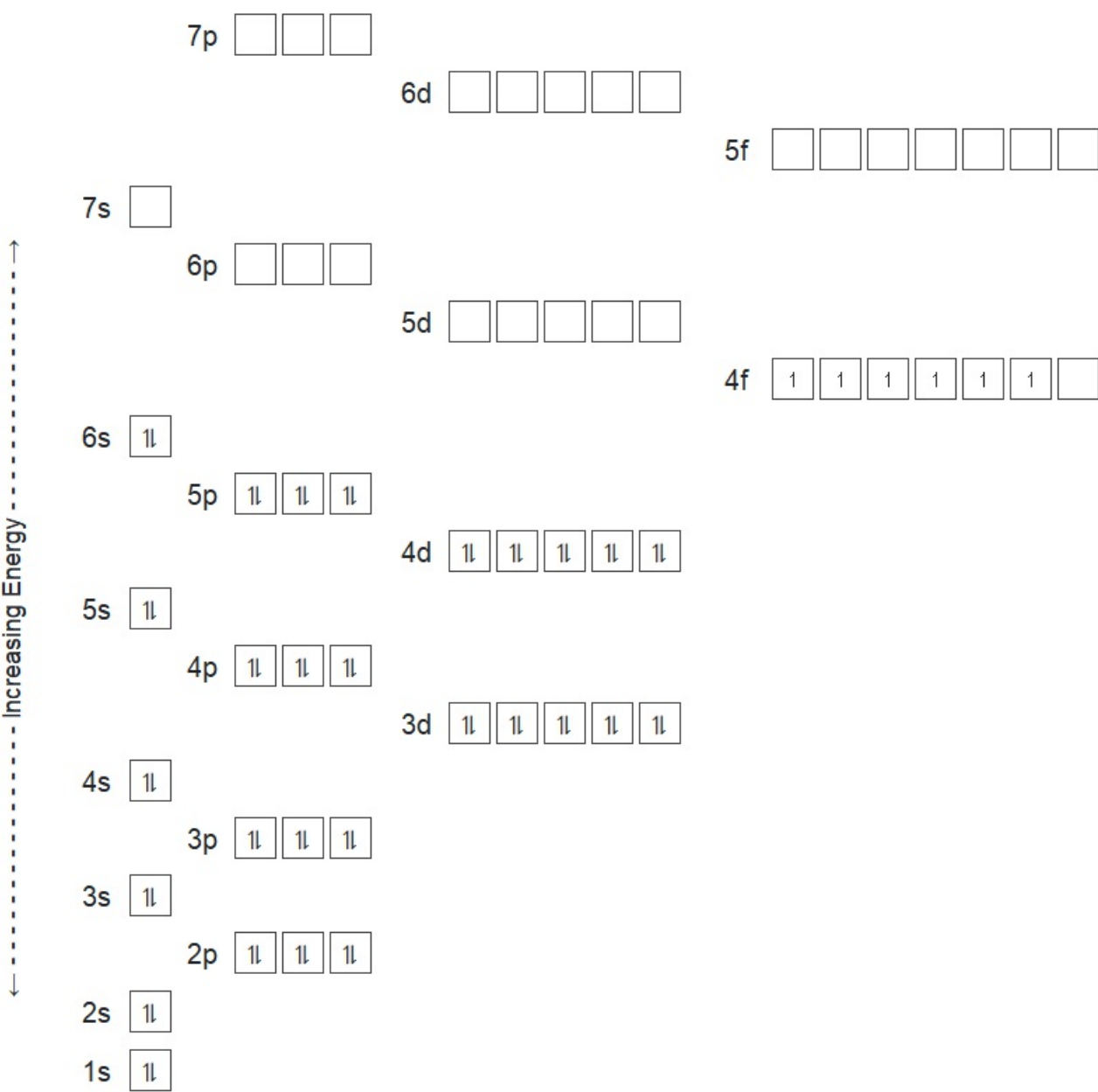
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Samarium

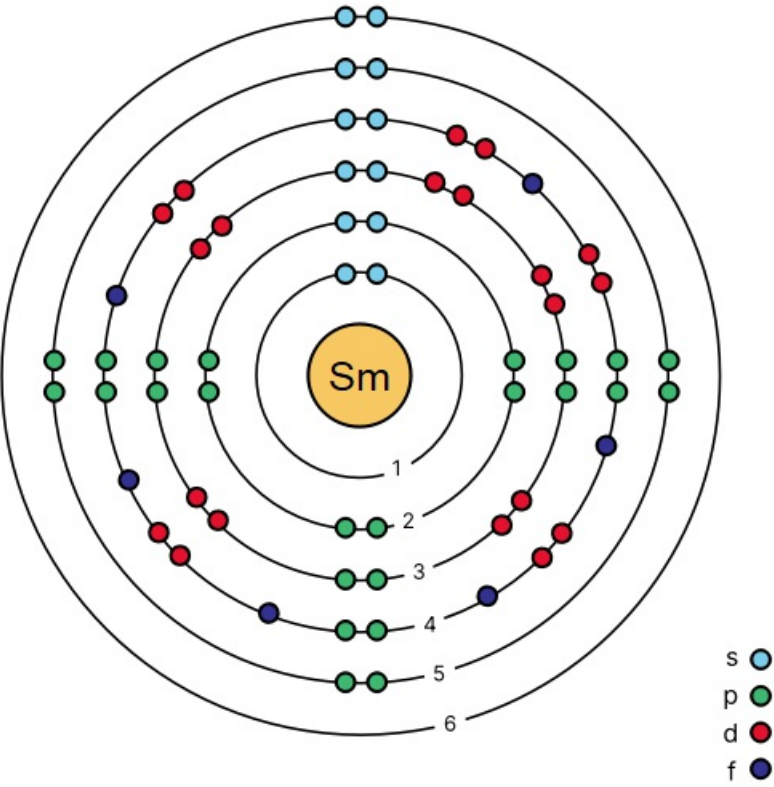
Lanthanide

Electronic Configuration



62 150.36
Sm
Samarium
[Xe] 4f6 6s2

Solid
Simple Trigonal



[Xe] 4f6 6s2
[2, 8, 18, 24, 8, 2]

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