

Gadolinium

Lanthanide

Symbol

Gd

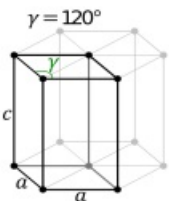
Atomic radius (pm)

233

Phase - Solid



Crystal Structure



Simple Hexagonal

Atomic number

64

Melting Point (K)

1586

History

The element Gadolinium was discovered by J. C. G. de Marignac in year 1880 in Switzerland .

Gadolinium was first isolated by P.E.L. de Boisbaudran in 1886 . Gadolinium derived its name from Johan Gadolin, chemist, physicist and mineralogist.

Appearance

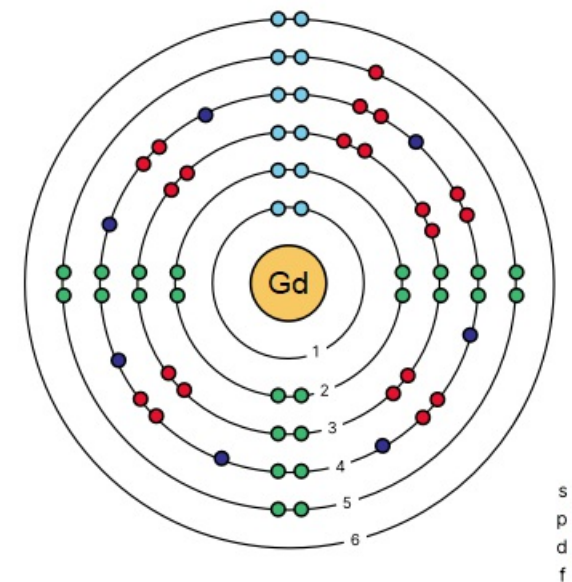
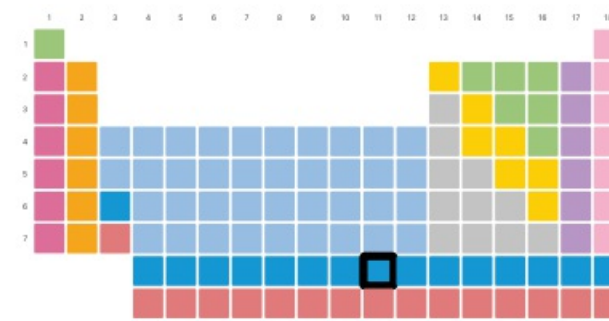
silvery white

Atomic weight (amu)

157.25

Boiling Point (K)

3523



[Xe] 4f7 5d1 6s2
[2, 8, 18, 25, 9, 2]

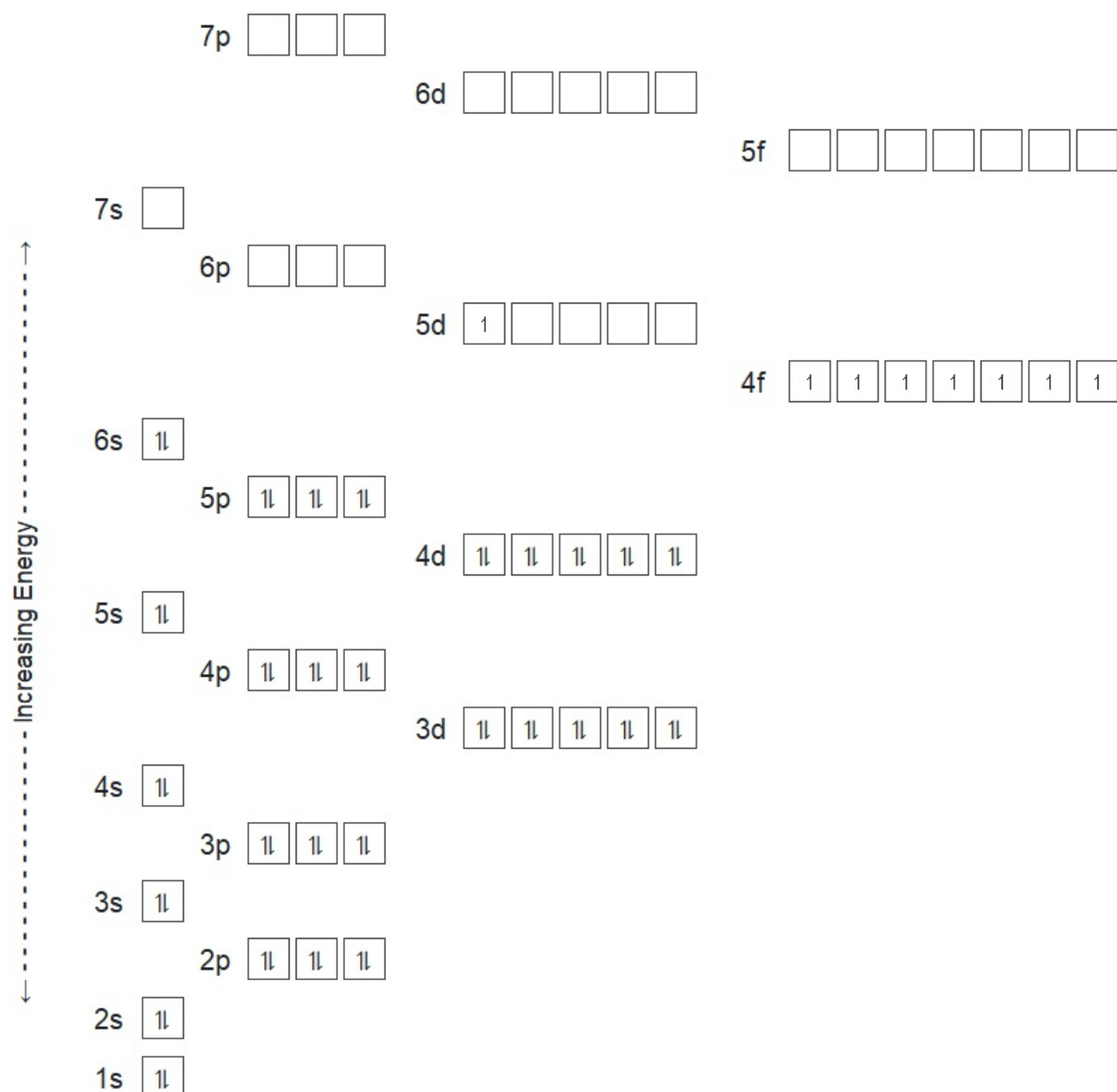
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Gadolinium

Lanthanide

Electronic Configuration



64

157.25

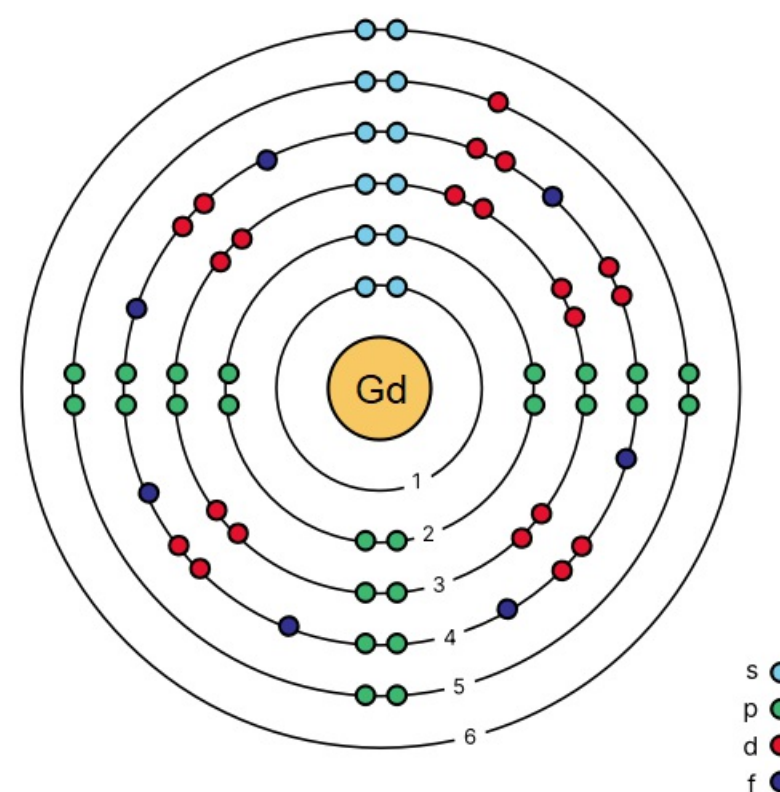
Gd

Gadolinium

[Xe] 4f7 5d1 6s2

Solid

Simple Hexagonal



[Xe] 4f7 5d1 6s2
[2, 8, 18, 25, 9, 2]

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