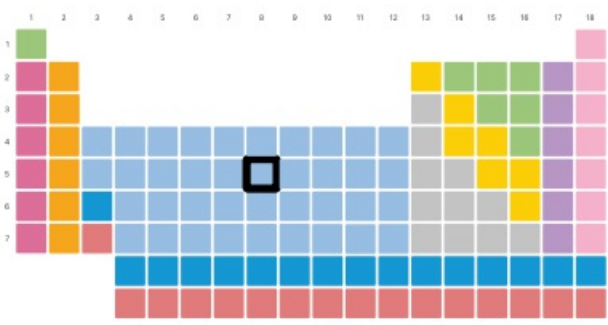


Ruthenium

Transition Metal



Symbol

Ru

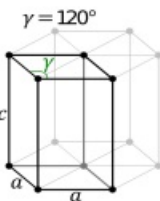
Atomic radius (pm)

178

Phase - Solid



Crystal Structure



Simple Hexagonal

Atomic number

44

Melting Point (K)

2607

History

The element Ruthenium was discovered by K. Claus in year 1844 in Russia . Ruthenium was first isolated by K. Claus in 1844 . Ruthenium derived its name from Ruthenia, the New Latin name for Russia.

Appearance

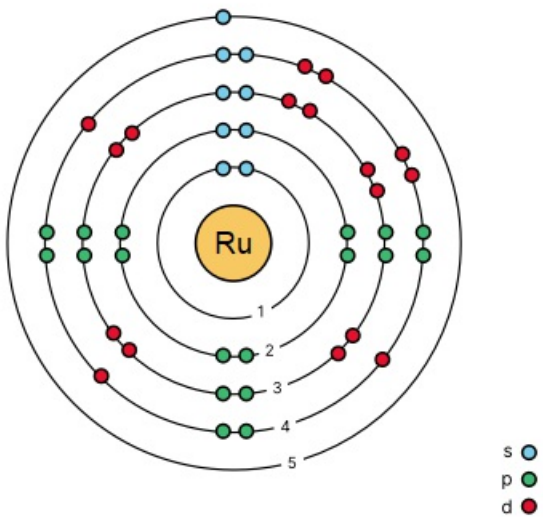
silvery white metallic

Atomic weight (amu)

101.07

Boiling Point (K)

4423



[Kr] 4d⁷ 5s¹
[2, 8, 18, 15, 1]

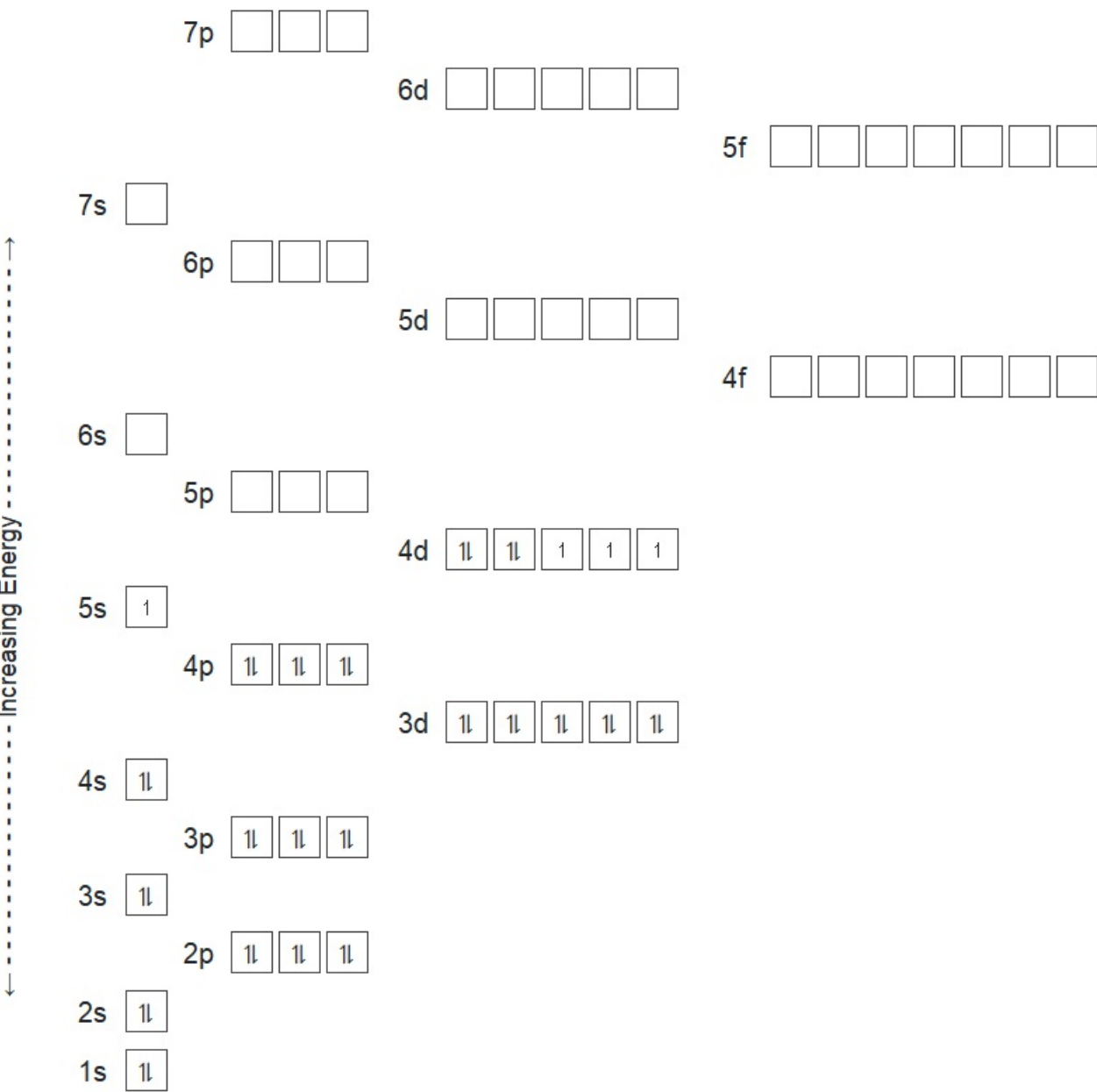
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Ruthenium

Transition Metal

Electronic Configuration



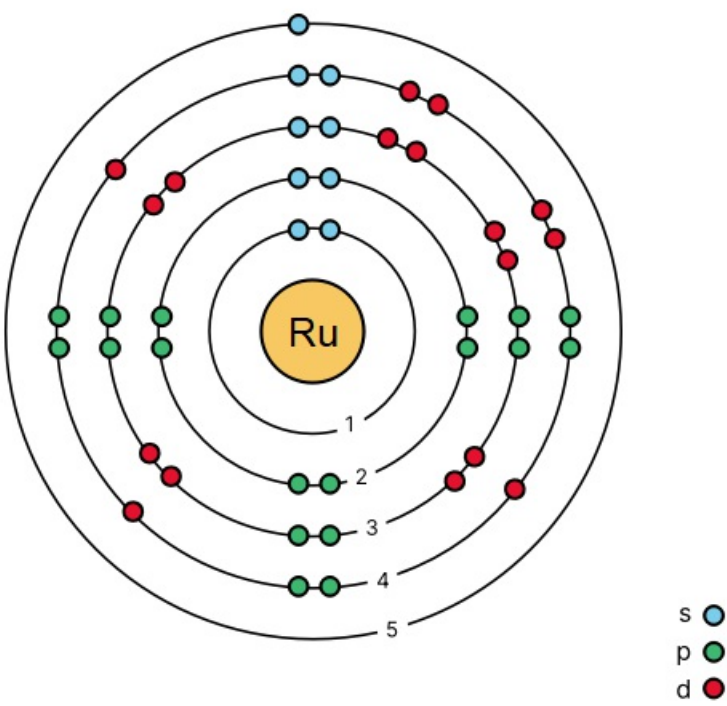
44 101.07

Ru

Ruthenium

[Kr] 4d⁷ 5s¹

Solid
Simple Hexagonal



[Kr] 4d⁷ 5s¹
[2, 8, 18, 15, 1]

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