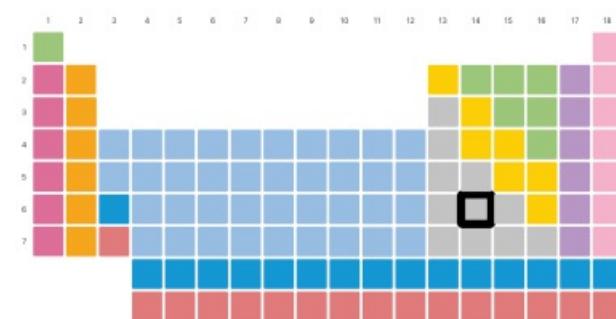


# Lead

## Post Transition Metal



Symbol

**Pb**

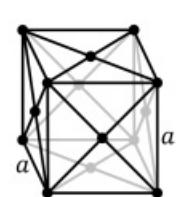
Atomic radius (pm)

**154**

Phase - Solid



Crystal Structure



Face Centered Cubic

Atomic number

**82**

Melting Point (K)

**600.61**

Atomic weight (amu)

**207.2**

Boiling Point (K)

**2022**

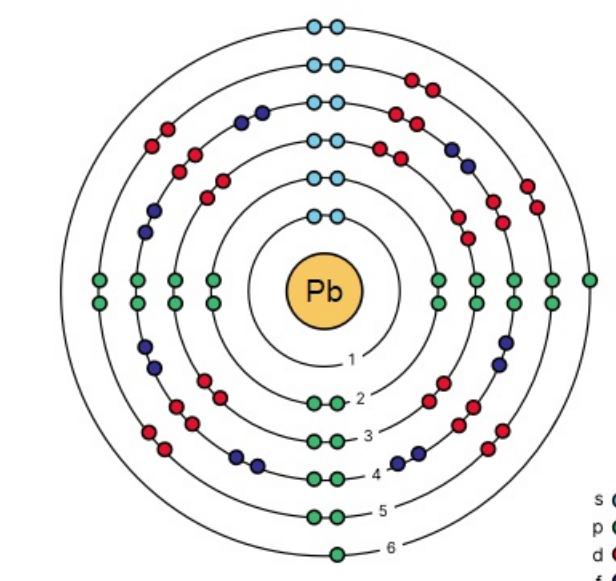
### History

The element Lead was discovered by Africans in year 7000 BCE in Egypt . Lead was first isolated by Abydos, Egypt in 3800 BCE . Lead derived its name from English word (plumbum in Latin).

### Appearance

metallic gray

[Xe] 4f14 5d10 6s2 6p2  
[2, 8, 18, 32, 18, 4]



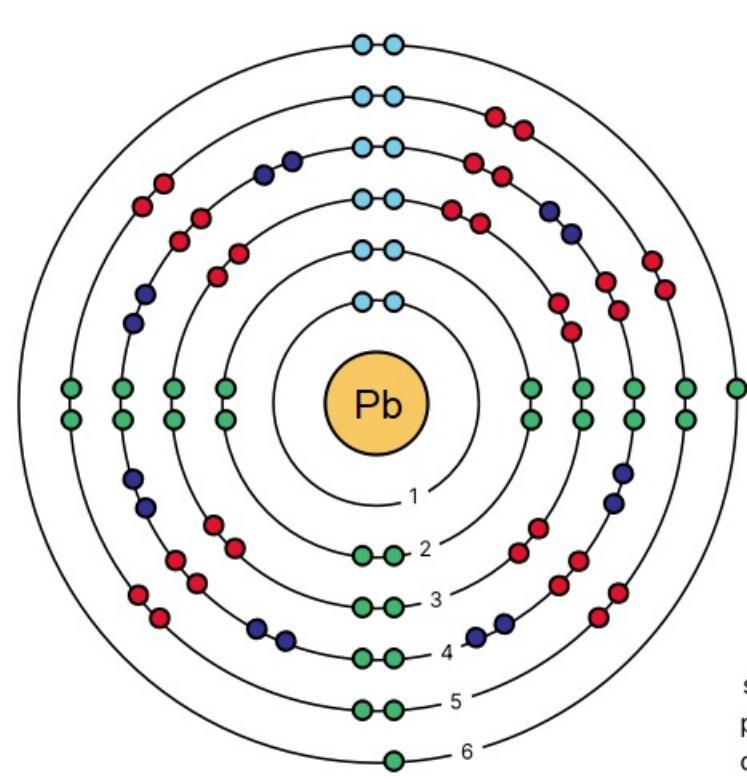
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# Lead

## Post Transition Metal

Electronic Configuration

7s	1	1	1	1	1	1	1
6s	1	1	1	1	1	1	1
5s	1						
4s	1						
3s	1						
2s	1						
1s	1						
3p	1	1	1	1	1	1	1
4p	1	1	1	1	1	1	1
5p	1	1	1	1	1	1	1
6p	1	1	1	1	1	1	1
7p	1	1	1	1	1	1	1
3d	1	1	1	1	1	1	1
4d	1	1	1	1	1	1	1
5d	1	1	1	1	1	1	1
6d	1	1	1	1	1	1	1
7d	1	1	1	1	1	1	1
4f	1	1	1	1	1	1	1
5f	1	1	1	1	1	1	1
6f	1	1	1	1	1	1	1
7f	1	1	1	1	1	1	1



[Xe] 4f14 5d10 6s2 6p2  
[2, 8, 18, 32, 18, 4]

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