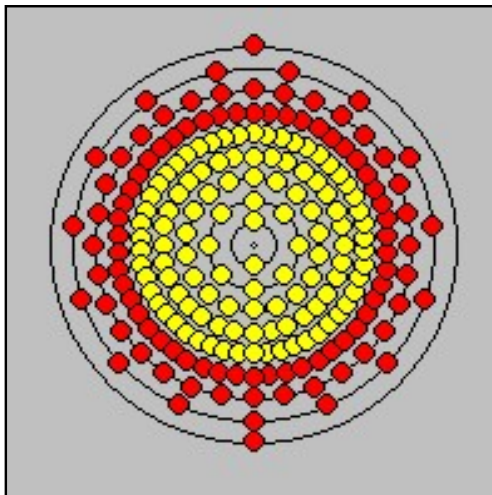


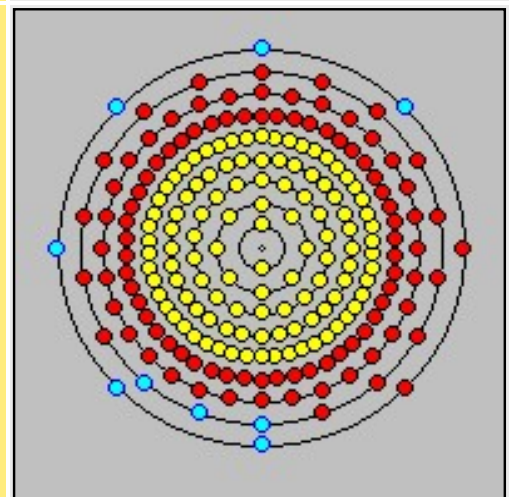
<u>Co</u> 27	<u>Rh</u> 45	<u>Ir</u> 77	<u>Mt</u> 109	<u>Upe</u> 159	<u>Bne</u> 209
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Binilennium

Symbol	Bne
Atomic Number	209 transition metals
Relative Atomic Mass $^{12}\text{C} = 12.0000$	[-]
<u>Significant Atomic Mass</u>	577 Neutrons 368
Atomic Radius pm	-
First Ionisation Energy kJ mol^{-1}	-
Electronegativity	-
Density kg m^{-3}	-
Molar Volume cm^3	-
Thermal Conductivity $\text{W m}^{-1} \text{K}^{-1}$	-
Melting Point	-
Boiling Point	-
Melting Point	-
Boiling Point	-
Number of Isotopes	-
Inner + outer Shells	5 + 4 = 9
Inner + outer Orbitals	110 + 99 = 209
Filling Orbital	8d ⁷
Ground State Electron Configuration	[Uho] 6g ¹⁸ 7f ¹⁴ 8d ⁷ 9s ²
Ground State Electron Configuration with free Orbitals (n=9)	
	0,0,0,0,0,0,0, 3, 6

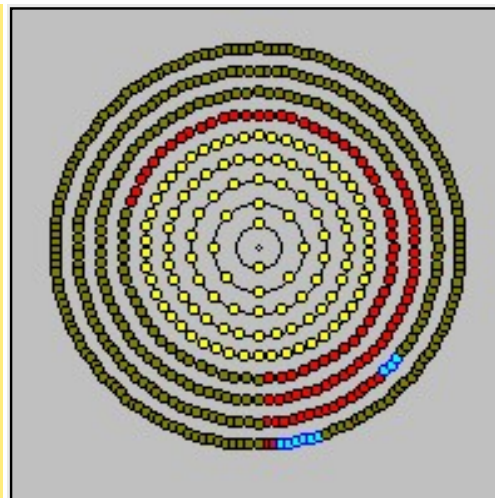


2, 8, 18, 32, 50, 50, 32, 15, 2



Ground State Electron Configuration with compressed Orbitals (n=352)

0,0,0,0,0, 22, 66, 110, 154



Singularity

570 = 110 + 99 + 9 + 352

	s	p	d	f	g	h	i	j	
1	2								
2	2	6							
3	2	6	10						
4	2	6	10	14					
5	2	6	10	14	18				
6	2	6	10	14	18	22			
7	2	6	10	14	18	22	26		
8	2	6	7	3	14	18	22	26	30
9	2	6	10	14	18	22	26	30	34
10									

Term Symbol

-

Discovery

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Name Derived From

IUPAC