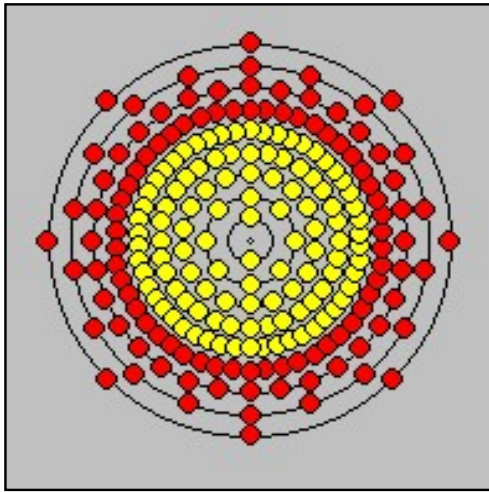


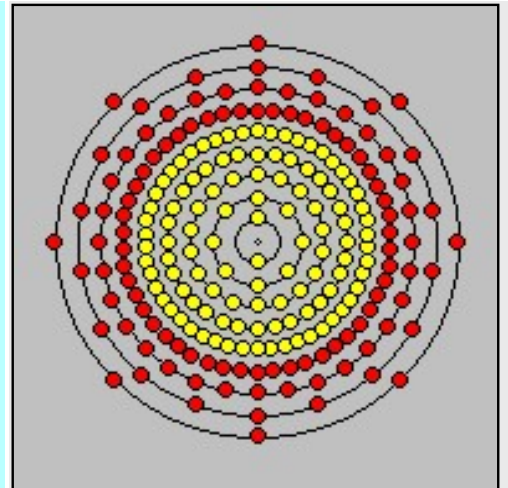
He	Ne	Ar	Kr	Xe	Rn	Uuo	Uho	Buo
2	10	18	36	54	86	118	168	218

Biunoctium

Symbol	Buo
Atomic Number	218
	Noble gas
Relative Atomic Mass $^{12}\text{C} = 12.0000$	[-]
Significant Atomic Mass	622
	Neutrons 404
Atomic Radius pm	-
First Ionisation Energy kJ mol^{-1}	-
Ionization energy (eV)	-
Electronegativity	-
Density kg m^{-3}	-
Molar Volume cm^3	-
Thermal Conductivity $\text{W m}^{-1} \text{K}^{-1}$	-
Melting Point °C	52,4 °C
Boiling Point °C	62,0 °C
Number of Isotopes	-
Inner + outer Shells	5 + 4 = 9
Inner + outer Orbitals	110 + 108 = 218
Filling Orbital	9 p 6
Ground State Electron Configuration	[Uho] 6g ¹⁸ 7f ¹⁴ 8d ¹⁰ 9p = [Buo]
Ground State Electron Configuration with free Orbitals (n= 0)	
	0,0,0,0,0,0,0,0,0

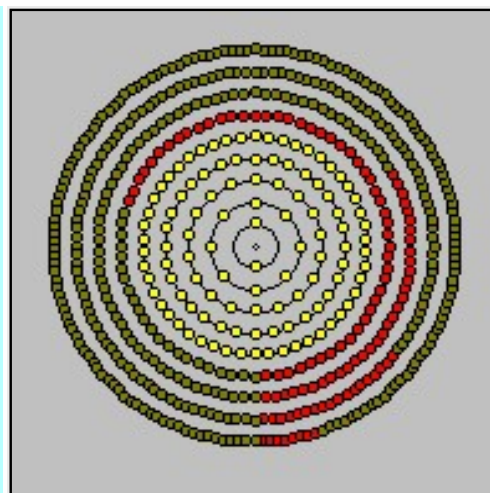


2,8,18,32,50, 50, 32,18, 8



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

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



Singularity

570 = 110 + 108 + 0 + 352

	s	p	d	f	g	h	i	j	k
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	10	14	18	22	26	30	
9	2	6	10	14	18	22	26	30	34
10									

Term Symbol

$1S_0$

Discovery

-

Name Derived From

IUPAC