

81 (2)

82 (4) Atomic number = 102

Notation (0) → nil  
 (1) → un  
 (2) → bi  
 suffix → "ium"

IUPAC name = Unnilbium.

83 3)104; U corresponds to unity 1, n corresponds to nil i.e., 0 and q corresponds to quadra i.e., 4

84 3) Last elements of p - block in 6th period is represented as  $4f^{14}5d^{10}6s^26p^6$ 

85 (1)

86 (2)(d) P = 31, Sb = 120

$$A_s = \frac{31 + 120}{2} = \frac{151}{2} = 75.5$$

87 (4)

88 (2)

89 (1)	$\mathbf{N}^{-3}$	$\mathbf{O}^{-2}$	$\mathbf{F}^{-}$
	$\frac{Z}{e}$	$\frac{7}{10}$	$\frac{8}{10} \quad \frac{9}{10}$
	$\frac{Z}{e} = 0.7$	0.8	0.9

90. (4)