



Z	Configuration	No. of unpaired e ⁻	Charge	Energy state
16	[Ar]	0	-2	ground state
19	[Ar] 3d ¹	1	0	excited state
28	[Ar] 3d ⁶ 4s ²	4	+2	ground state

- Q2(c) (i) Element in the 2nd row has the highest ionization energy - Ne
- (ii) Element in the 2nd row has the lowest electron affinity - Li
- (iii) Element in the 3rd row has the highest electronegativity - Cl
- (iv) Element in the 3rd row has the smallest radius - Ar