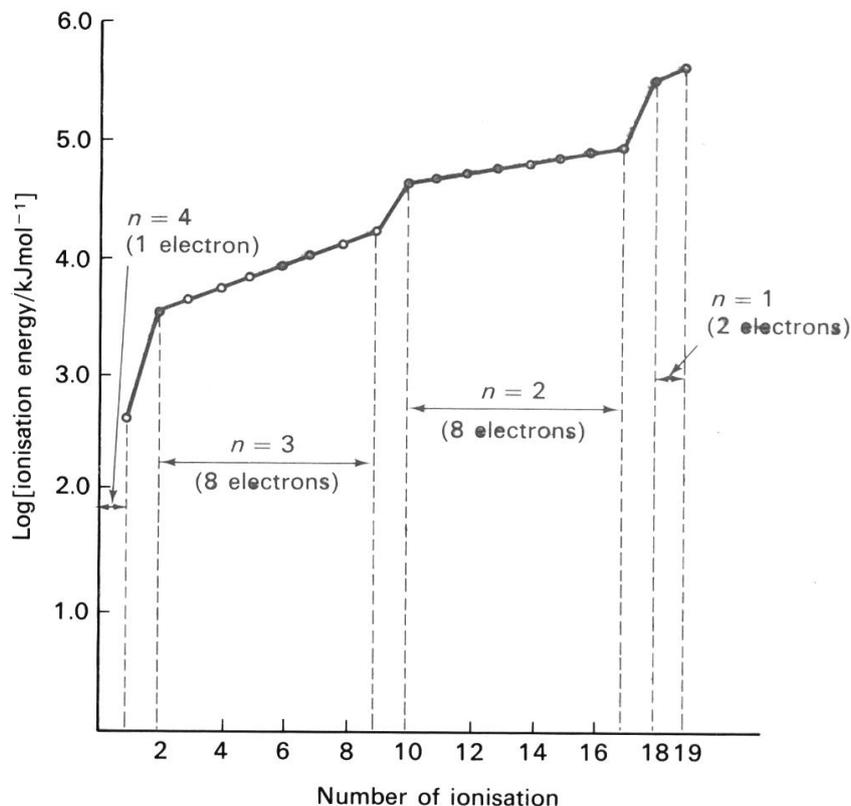




SUCCESSIVE IONISATION ENERGIES

Logarithmic plot of successive ionisation energies (of potassium)



In each case identify which the element belongs to by studying values of successive ionisation energies. They are all elements in Groups 0-7 and none of them are transition metals, lanthanides or actinides.

	1st	2nd	3rd	4th	5th	6th	7th	8th	Group
1	736	1450	7740	10500	13600	18000	21700	25600	
2	1680	3370	6040	8410	11000	15100	17900	91600	
3	762	1540	3300	4390	8950	11900	14900	18200	
4	418	3070	4600	6480	8120	10700	12300	14600	
5	941	2080	3090	4140	7030	7870	16000	19500	
6	577	1820	2740	11600	14800	18400	23400	27500	
7	1310	3390	5320	7450	11000	13300	71000	84100	
8	590	1150	4940	6480	8120	10700	12300	14600	
9	1060	1900	2920	4960	6280	21200	25900	30500	
10	2080	3950	6150	9290	12100	15200	19500	23000	