

Element	symbol	Atomic number	Electronic arrangement in different orbit					
			K	L	M	N	O	P
Hydrogen	H	1	1					
Helium	He	2	2					
Lithium	Li	3	2	1				
Beryllium	Be	4	2	2				
Boron	B	5	2	3				
Carbon	C	6	2	4				
Nitrogen	N	7	2	5				
Oxygen	O	8	2	6				
Fluorine	F	9	2	7				
Neon	Ne	10	2	8				
Sodium	Na	11	2	8	1			
Magnesium	Mg	12	2	8	2			
Aluminium	Al	13	2	8	3			
Silicon	Si	14	2	8	4			
Phosphorus	P	15	2	8	5			
Sulphur	S	16	2	8	6			
Chlorine	Cl	17	2	8	7			
Argon	Ar	18	2	8	8			
Potassium	K	19	2	8	8	1		
Calcium	Ca	20	2	8	8	2		

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● $c = v\lambda$

● $\bar{v} = \frac{1}{\lambda} = \frac{v}{c}$

[c = velocity of light in free space,

v = frequency, λ = wavelength]

[$\bar{v}$ = wave number]

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