

Ions & Isotopes

(Honors Chemistry)

Element	Atomic Number	Protons	Neutrons	Electrons	Mass Number
Neon-22	10	10	12	10	22
Oxygen-17	8	8	9	8	17
Chromium-53	24	24	29	24	53
Hydrogen-2	1	1	1	1	2
Helium-3	2	2	1	2	3
Carbon-13	6	6	7	6	13
Nitrogen-15	7	7	8	7	15
S ²⁻	16	16	16	18	32
Cl ⁻	17	17	18	18	35
O ²⁻	8	8	8	10	16
Na ⁺	11	11	12	10	23
Fe ³⁺	26	26	30	23	56
Al ³⁺	13	13	14	10	27
Br ⁻	35	35	45	36	80

Element	Atomic Number	Protons	Neutrons	Electrons	Mass Number
Sulfur-34	16	16	18	16	34
Chlorine-37	17	17	20	17	37
Neon-21	10	10	11	10	21
Oxygen-18	8	8	10	8	18
Sulfur-33	16	16	17	16	33
Sulfur-36	16	16	20	16	36
Ca ²⁺	20	20	20	18	40
Zn ²⁺	30	30	35	28	65
K ⁺	19	19	20	18	39
F ⁻	9	9	10	10	19
Se ²⁻	34	34	45	36	79
Ag ⁺	47	47	61	46	108
Mn ²⁺	25	25	30	23	55
Au ⁺	79	79	118	78	197
N ³⁻	7	7	7	10	14