

Atomic Structure Worksheet

Name KEY

Name	Symbol	Atomic number	Mass Number	Number of neutrons	Number of Electrons	Charge
hydrogen-2	${}^2_1\text{H}$	1	2	1	1	0
hydrogen-3	${}^3_1\text{H}$	1	3	2	1	0
sodium-22	${}^{22}_{11}\text{Na}^+$	11	22	11	10	+1
magnesium-24	${}^{24}_{12}\text{Mg}$	12	24	12	12	0
magnesium-25	${}^{25}_{12}\text{Mg}^-$	12	25	13	13	-1
titanium-46	${}^{46}_{22}\text{Ti}^{2-}$	22	46	24	24	-2
silver-107	${}^{107}_{47}\text{Ag}$	47	107	60	47	0
fluorine-19	${}^{19}_9\text{F}^-$	9	19	10	10	-1
carbon-12	${}^{12}_6\text{C}$	6	12	6	6	0
carbon-13	${}^{13}_6\text{C}$	6	13	7	6	0
carbon-14	${}^{14}_6\text{C}$	6	14	8	6	0
carbon-12	${}^{12}_6\text{C}^-$	6	12	6	7	-1
carbon-12	${}^{12}_6\text{C}^+$	6	12	6	5	+1
helium-4	${}^4_2\text{He}$	2	4	2	2	0
oxygen-16	${}^{16}_8\text{O}^{2-}$	8	16	8	10	-2
argon-40	${}^{40}_{18}\text{Ar}$	18	40	22	18	0
gallium-70	${}^{70}_{31}\text{Ga}$	31	70	39	31	0
gallium-70	${}^{70}_{31}\text{Ga}^{3+}$	31	70	39	28	+3
beryllium-9	${}^9_4\text{Be}^{2+}$	4	9	5	2	+2
nitrogen-15	${}^{15}_7\text{N}^-$	7	15	8	8	-1