

3.3 Subatomic Particles Worksheet

ELEMENT NAME	ATOMIC NUMBER	MASS NUMBER	STANDARD ATOMIC NOTATION	NUMBER OF PROTONS	NUMBER OF ELECTRONS	NUMBER OF NEUTRONS
ALUMINUM	13	27	$^{27}_{13}\text{Al}$	13	13	14
ARGON	18	40	$^{40}_{18}\text{Ar}$	18	18	22
BERYLLIUM	4	9	^9_4Be	4	4	5
BORON	5	11	$^{11}_5\text{B}$	5	5	6
CALCIUM	20	40	$^{40}_{20}\text{Ca}$	20	20	20
CARBON	6	12	$^{12}_6\text{C}$	6	6	6
CHLORINE	17	36	$^{36}_{17}\text{Cl}$	17	17	19
FLUORINE	9	19	$^{19}_9\text{F}$	9	9	10
HELIUM	2	4	^4_2He	2	2	2
HYDROGEN	1	1	^1_1H	1	1	0
LITHIUM	3	7	^7_3Li	3	3	4
MAGNESIUM	12	24	$^{24}_{12}\text{Mg}$	12	12	12
NEON	10	20	$^{20}_{10}\text{Ne}$	10	10	10
NITROGEN	7	14	$^{14}_7\text{N}$	7	7	7
OXYGEN	8	16	$^{16}_8\text{O}$	8	8	8
PHOSPHORUS	15	31	$^{31}_{15}\text{P}$	15	15	16
POTASSIUM	19	39	$^{39}_{19}\text{K}$	19	19	20
SILICON	14	28	$^{28}_{14}\text{Si}$	14	14	14
SULFUR	16	32	$^{32}_{16}\text{S}$	16	16	16
SODIUM	11	23	$^{23}_{11}\text{Na}$	11	11	12