

EXERCISE 4

Chem 100

(Due in lab _____)

10 points

Name _____

(last)

(first)

Lab Section # _____ Lab Instructor _____

NUCLEAR SYMBOL	ATOMIC NUMBER	MASS NUMBER	NUMBER OF PROTONS	NUMBER OF NEUTRONS	NUMBER OF ELECTRONS*
${}^7_7\text{N}^{15}$	7	15	7	8	7
${}^9_9\text{F}^{19}$	9	19	9	10	9
${}^{22}_{22}\text{Ti}^{46}$	22	46	22	24	22
${}^{56}_{56}\text{Ba}^{132}$	56	132	56	76	56
${}^7_7\text{N}^{13}$	7	13	7	6	7
${}^4_4\text{Be}^9$	4	9	4	5	4
${}^{40}_{40}\text{Zr}^{94}$	40	94	40	54	40
${}^{82}_{82}\text{Pb}^{204}$	82	204	82	122	82
${}^{12}_{12}\text{Mg}^{26}$	12	26	12	14	12
${}^{56}_{56}\text{Ba}^{138}$	56	138	56	82	56

* Number of electrons in the NEUTRAL atom.