**Chem 1013: mini-quiz #3: Friday 28 Jan 5 pts A**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1)What is the ratio of electron radius to nuclear radius ? \_\_\_\_\_\_\_100,000/1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

68

2)How many neutrons in : Zn \_\_\_\_38\_\_\_\_\_\_\_\_\_

30

3)What is the term applied to an element with a specific count of neutrons ? \_\_isotopes\_\_\_\_\_\_\_\_\_\_

4) Atomic number is the same as \_\_\_\_\_proton count\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5)What defines an element ?

**a) proton count**

b) mass number

c) neutron count

d) electron cloud radius

6) Mass number is: (p=protons, e=electrons, n= neutrons)

a) #p + +e

b) #p

c) #n

**d) #p + # n**

**Chem 1013: mini-quiz #3: Friday 28 Jan 5 pts B**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

59

1)How many neutrons in : Fe \_\_\_\_33\_\_\_\_\_\_\_\_\_

26

2) atomic number is the same as \_\_\_\_\_\_proton count\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3)What defines an element ?

a) electron cloud radius

a)mass number

b) proton count

c) neutron count

4)What is the term applied to an element with a specific count of neutrons ? \_\_\_isotope\_\_\_\_\_\_\_\_\_\_\_

5) Mass number is: (p=protons, e=electrons, n= neutrons)

a) #p + #n

b) #p

c) #n

d) #p + # e

6) What is the ratio of electron radius to nuclear radius ? \_\_\_\_\_\_\_100000/1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_