**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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_