

**General Guide to typical Chem 120 quiz length, organization, and general types of questions.  
Time allotted ~20 minutes.**

Name \_\_\_\_\_  
Quiz 1 / Chem 120

Circle one  
Lab Sec.: M/W 11:00 AM or 2:30 PM

Multiple Choice Questions:

1. Which of the following pairs can be used to illustrate the law of multiple proportions? (Choice of different molecular formulas)
2. Which of the following atomic symbols is incorrect? (Choice of different symbols)
3. The element X exists as two stable isotopes and 18 unstable isotopes. X-130 has in its nucleus (Choice of different # of protons and # of neutrons)
4. Which of the following elements is most likely to be a good conductor of electricity?
5. The common cation of an element has how many of the following particles?  
e<sup>-</sup> \_\_\_\_\_      p<sup>+</sup> \_\_\_\_\_      n \_\_\_\_\_
6. Circle the pair of elements would be most likely to form an ionic compound.
7. How many significant figures are there in the following numbers?
8. Write the following numbers in scientific notation rounding off the to three significant figures:
9. Rank the following set of data by increasing mass:

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

10. Rank the following in increasing order of precision and accuracy for the four different methods 1, 2, 3, and 4,

Precision: \_\_\_\_\_

Accuracy: \_\_\_\_\_

