**Chem 1013: mini-quiz #3: atomic book keeping and terms Monday 28 Jan 8 pts**

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

**Using the Periodic Table provided:**

1. What element has an atomic # of 8 ? \_\_O\_\_\_
2. If the mass number for an atom of Boron is 10, how many neutrons does it have ? \_\_5\_\_
3. What is the electron count for neutral Sodium ? \_\_\_\_11\_\_\_\_\_
4. A neutral element has 9 electrons. What is the element ? \_\_\_F=fluorine\_\_\_\_\_\_

3.2. Correctly write the formula for a molecule containing the following elements:

1. 3 O and 2 B \_\_\_B2O3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (component of Pyrex glass)
2. 3 Cl and 2 Al \_\_\_\_Al2Cl3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (active ingredient in deodorant)
3. 2 O and 1 S \_\_\_SO2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (post-taco effluvia)
4. 1 N + 1 H + 3 O \_\_\_HNO3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (nitric acid)