

**Vasquez High School -- Chemistry -- Exam #2 -- Chapter 3+ -- 10 0 points**

Write TRUE if the statement is true OR write the word that substitutes for the underlined word that would make it true. Writing false only earns partial credit. Three points each.

- \_\_\_\_\_ 1) Protons and neutrons are about 1837 times as massive as hydrogen atoms.
- \_\_\_\_\_ 2) A diatomic molecule is one composed of only two different elements.
- \_\_\_\_\_ 3) The Rutherford gold foil experiment discovered the nucleus of the atom.
- \_\_\_\_\_ 4) Democritus' term "atomos" was coined to mean something that is indivisible.
- \_\_\_\_\_ 5) Placing the iron nail into the copper solution turned the solution blue.
- \_\_\_\_\_ 6) There were a lot of things to memorize for this test. I have to treat the subject more seriously in the future.

For each of the following Latin/Roman names of elements, give the modern name. Two points.

- 7) plumbum \_\_\_\_\_ 8) argentum \_\_\_\_\_
- 9) cuprum \_\_\_\_\_ 10) kalium \_\_\_\_\_

For each of the following formulas, write the exact chemical name – spelling counts on elements only. Three points apiece.

- 11)  $\text{Ba}_3(\text{PO}_4)_2$  \_\_\_\_\_
- 12)  $\text{CuCO}_3$  \_\_\_\_\_
- 13)  $\text{PbF}_4$  \_\_\_\_\_
- 14)  $\text{NaBr}$  \_\_\_\_\_
- 15)  $(\text{NH}_4)_2\text{SO}_4$  \_\_\_\_\_

Give the formula and name of the compound formed between these pairs of elements. Three points.

- 16) Si and S                                      17) Rb and C                                      18) Al and  $\text{CO}_3^{2-}$