Chem.	6A	S2005	Dr.	Mack
Quiz 6	: 15	points		

Name:	KEX			

- 1. (2 points) Give the name or formula for the following:
- (a) Al(C₂H₃O₂)₃ Aluminum Acotate (b) copper (II) nitride Cu₃ N₂
- 2. (3 points) Calculate the formula weight of barium acetate. (Your instructor will sell you the formula for I point)

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3. (3 points) How many oxygen atoms are there in 12.3 grams of carbon dioxide?

4. (3 points) Determine the % composition of each element in sodium nitrate.

5. (4 points) A compound is found to be 25.94% nitrogen with the rest being oxygen. Determine its empirical formula.

$$\frac{100 \text{ g}}{25.949 \text{ H}_{x}} = \frac{1.85 \text{ mols N}}{14.019} = 1.85 \text{ mols N}$$

$$\frac{N}{185} = \frac{N_1 O_{2,5}}{1.05}$$