18. HNO <sub>2</sub> 19. Na <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> 20. Cu(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> 21. (NH <sub>4</sub> ) <sub>2</sub> O	
Give the formulas for the following names:	
22. nitrogen dioxide 23. sulfuric acid 24. potassium chlorite 25. Lithium hydroxide 26. ammonium sulfate 27. Tungsten II nitride	
solution of sodiu	sodium hydroxide and copper II nitrate react to form solid copper II hydroxide and a m nitrate. A solution containing 6.25 grams of sodium hydroxide is mixed with one grams of copper II nitrate. How many grams of each remain at the end of the reaction?
I.	Balanced chemical reaction
II.	Molar mass of each component
III.	Identify the limiting reactant (show work for full credit)
IV.	How many grams of each component are left at the end of the reaction? (show work for full credit)
Masses at end of	reaction-
	Sodium Hydroxideg Copper II Hydroxide Copper II Nitrateg Sodium Nitrate
	timulant found in coffee, tea, and certain soft drinks, contains C, H, O, and N. Combustion affeine produces 1.813 mg CO <sub>2</sub> , 0.4639 mg H <sub>2</sub> O, and 0.2885 mg N <sub>2</sub> .  How many grams of C, H, N, and O are present in the sample?
II.	What is the simplest formula for the compound?
III.	If the molar mass is between 300g and 400g, what is the molecular formula?

Give the names for the following formulas:

Extra credit- Write a balanced reaction for the combustion of the compound.