PRACTICE #4 AP Chemistry "Chemistry! It's all about the Stoichiometry, baby!"

1.	The active ingredient in photographic fixer solution contains Na, S and O.
Α	nalysis of a sample shows that the sample contains 0.979g Na, 1.365g S, and 1.021g
O	. Calculate an empirical formula.

- 2. Put the following in order of increasing # of total atoms.
 - a) 100g of Pb

 - b) 2.0 mol of Ar c) 2.0x10⁷ O₂ molecules d) 5.86x10¹⁸ amu of Be e) 0.25 mol (NH₄)₂SO₄
- 3. Name or write the formula for the following:

H ₂ Cr ₂ O ₇ :							
$Fe(NO_2)_2$:							
Ni ₂ O ₃ :							
Cl₂F:							
acetic Acid:							
aluminum hydrogen sulfite:							
calcium bromate:							
nvdrocvanic acid:							

Answers:

- 1. Na₂S₂O₃
- 2. lowest \rightarrow C, D, A, B, E \rightarrow highest
- 3. dichromic acid

iron(II)nitrite

nickel(III)oxide

dichlorine monofluoride

 CH_3COOH or HCH_3COO or $H_4C_2O_2$ or $H_3C_2O_2H$