**Determine the empirical formula from the following % composition data:**

**Cmpd 1: 19.17% nitrogen; 80.83% chlorine**

**Cmpd 2: 40.27% oxygen; 32.83% nickel; 26.90% sulfur**

**Cmpd 3: 23.56% phosphorus; 48.69% oxygen; 27.74% magnesium**