**Mole Conversions Practice**

**Group 1 (1 point)**

1. How many formula units are in 3.6 moles of potassium chloride?
2. What is the mass of 0.051 moles of carbon dioxide?
3. How many moles is 4.23 x 1028 atoms of nickel?
4. 6.2 grams of sodium fluoride is how many moles?

**Group 2 (2 points)**

1. How many atoms are in 56.86 grams of silicon?
2. What is the mass of 5.7 x 1013 molecules of water?
3. How many molecules are in 5.0 grams of carbon tetrachloride?
4. What is the mass of 6.8 x 1024 formula units of sodium chloride?

**Group 3 (3 points)**

1. How many atoms of oxygen are in 2.6 grams of oxygen gas?
2. What is the mass of one molecule of diphosphorus pentoxide?
3. A) How many formula units are in 3.9 grams of calcium nitrate? B) How many oxygen atoms are in 3.9 grams of calcium nitrate?
4. What is the mass of 1.98 x 1023 formula units of sodium phosphate?