Name:

Chapter 10 Practice Worksheet

**Show your work or no credit!! Don't forget units.

*Section 10.1

- 1. What is the molar mass of the following substances?
 - a. iron (III) acetate

c. sulfuric acid

b. aluminum nitrate

d. dinitrogen pentoxide

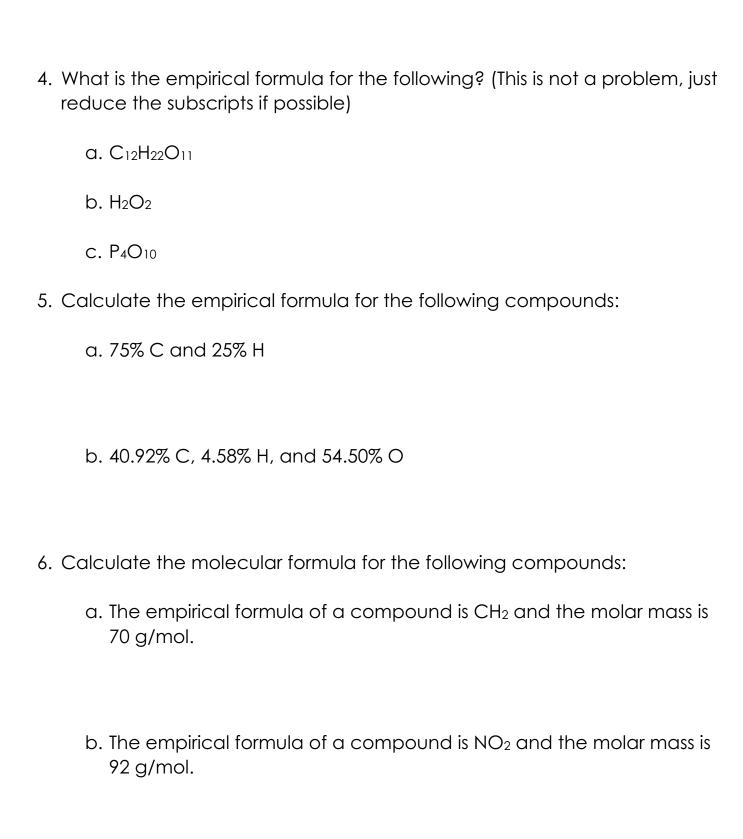
*Section 10.2

- 2. Make the following conversions:
 - a. Convert 5.99 mol of diphosphorous pentoxide to liters at STP.
 - b. Convert 97.3g lithium oxide to moles.
 - c. Convert 12.7 mol of silicon dioxide to molecules.
 - d. Convert 87.6L of nitrogen to moles at STP.
 - e. Convert 16.31 mol of magnesium chloride to grams.

*Section 10.3

- 3. What is the percent composition of the following compounds?
 - a. A sample is found to contain 40.7g of carbon, 12.3g of hydrogen, and 16.9g of oxygen.

h	MgSO ₄	
Ο.	1419304	



Trident – Island Berry Lime (Trident Wrapper) – Xylitol Extra – Mixed Berry (Silver Wrigley Wrapper) – Sorbitol Stride Sour Patch Kids – Redberry (Small Silver Wrapper) – Sucralose

Winterfresh (White Wrigley Wrapper) – Aspartame Dubble Bubble (Dubble Bubble Wrapper) - sugar