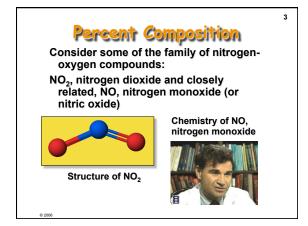
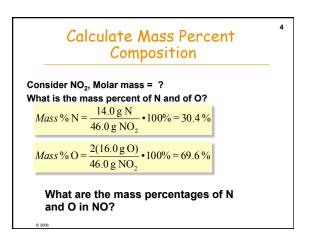
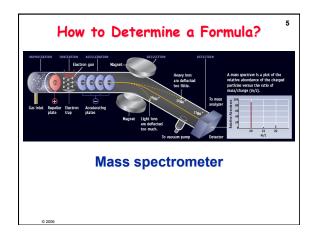
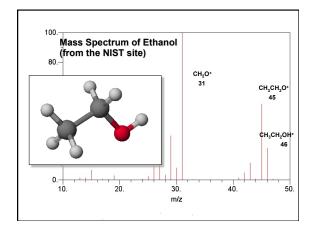


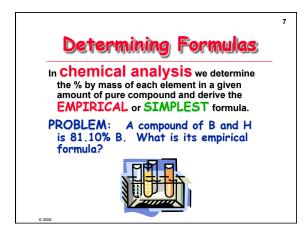
	al and Mole Formulas	cular	
A molecular formula gives the number of each kind of atom in a molecule. An <i>empirical formula</i> gives the (whole number) ratio of atoms of elements in a compound.			
An <i>empirical form</i> ratio of atoms of	elements in a	compound.	1
An empirical form			

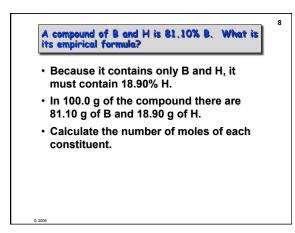


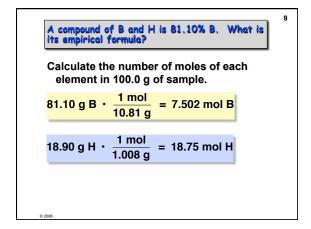


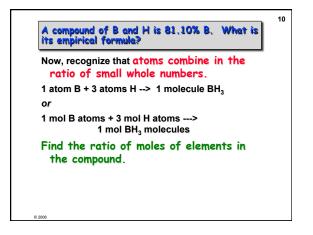


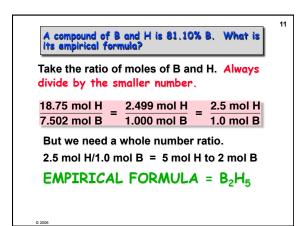


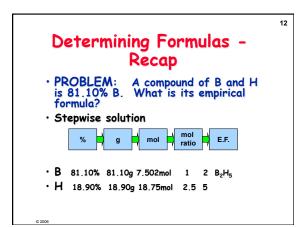




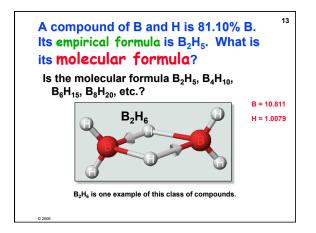


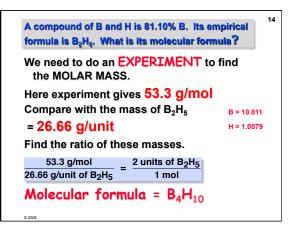


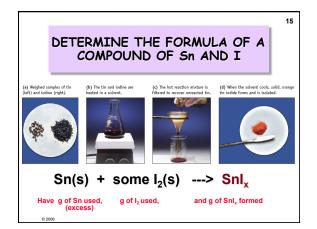


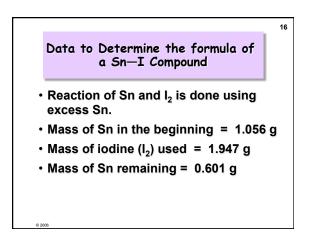


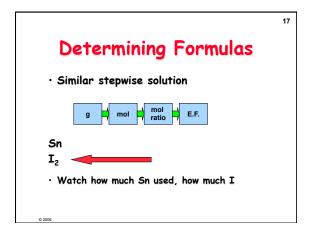
Chapter 3 — Molar Mass — Part 1

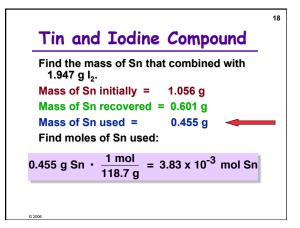












Chapter 3 — Molar Mass — Part 1

	19
Tin and Iodine Compound	
Now find the number of moles of I_2 that combined with 3.83 x 10 ⁻³ mol Sn. Mass of I_2 used was 1.947 g.	
1.947 g l ₂ · $\frac{1 \text{ mol}}{253.81 \text{ g}}$ = 7.671 x 10 ⁻³ mol l ₂	
How many mol of iodine atoms?	
7.671 x 10 ⁻³ mol $l_2\left(\frac{2 \text{ mol } l \text{ atoms}}{1 \text{ mol } l_2}\right)$	
= 1.534 x 10 ⁻² mol I atoms	
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