Build	a Molecule Compute	er Sim
Learning Goals: 1. Describe the difference between 2. Distinguish between the coeffici 3. Use pictorial representations of	ent and subscript in a chemical for	ormula.
First Tab 1. Make a molecule: a. How do you know you made b. Write the name of some mod		
2. Molecule Names and Chemica a. Compare the name and chem	al Formulas: nical formula for some molecule	es:
Molecule Name	Drawing	Chemical Formula

5____

Name: _____

Second Tab

- 3. Make Many
 a. Fill all the collection boxes and then complete the questions for each Goal.

Goal: 4H ₂		
Draw it!		
What does the big '4' in 4H ₂ mean?		
What does the little '2' in 4H2 mean?		
Goal:	2CO ₂	
Draw it!		
What does the big '2' in 2CO ₂ mean?		
What does the little '2' in 2CO2 mean?		
Goal	: 202	
Draw it!		
What does the big '2' in 20 ₂ mean?		
What does the little '2' in 202 mean?		
Goal:	2NH.	
Draw it!	211113	
What does the big '2' in 2NH ₃ mean?		
What does the little '3' in 2NH3 mean?		
Third Tab Challenge 4. What's the biggest molecule you can make? a. Molecule Name: b. Chemical formula: 5. Can you make a molecule that can be broken		
a. Big molecule name :		
b. Big molecule chemical formula :		
c. Smaller molecule names :		
d. Smaller molecule chemical formulas:		