Name:
Avogadro and the Mole Lab
Because atoms and molecules are too small to count, we "count" them by weighing. We count them in groups called moles. A mole is Avogadro's numer () representative particles of something. The name for the representative particle is determined by the type of substance
Representative particles of elements are
Representative particles of molecular compounds are
Representative particles of ionic compounds are
Procedure

- 1. Record the mass of an empty bag.
- 2. For each sample, fill in the data in the table below. (Do NOT open the bag.)

## Results

Bag #	Chemical Formula	Chemical Name of Substance	Mass of Bag and Substance
1			
2			
3			
4			
5			
6			

## Calculations

Bag #	Mass of	Molar	Moles of	Term for the	Number of	Number of
	Substance in	Mass of	Substance	Representative	Representative	Oxygen
	Bag (g)	Substance		Particle	Particles	Atoms
	J 107	(g/mole)				
1						
2						
3						
4						
5						
6						