

# RECAP OF CHEM 10



## Atoms and Ions Review:

Name	Symbol	# protons	# electrons	# neutrons	Charge
arsenic atom					
		17			
	Sb <sup>5+</sup>				
		54			
			10		2 <sup>+</sup>

## Naming Review

	I or M	Name	Chemical Formula
1.		sodium nitride	
2.			CaCO <sub>3</sub>
4.		barium hydroxide	
5.			CaO
6.			MgSO <sub>4</sub>
7.		carbon dioxide	
8.		iron (III) iodide	
9.		sulfur trioxide	
10.		calcium sulfate	
11.			Na <sub>2</sub> SiO <sub>3</sub>
12.			Ca(HCO <sub>3</sub> ) <sub>2</sub>

## Balancing and Types of reactions

- $\text{Sb} + \text{I}_2 \rightarrow \text{SbI}_3$
- $\text{Li} + \text{H}_2\text{O} \rightarrow \text{LiOH} + \text{H}_2$
- $\text{AlCl}_3 \rightarrow \text{Al} + \text{Cl}_2$
- $\text{C}_6\text{H}_{12} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{AlCl}_3 + \text{Na}_2\text{CO}_3 \rightarrow \text{Al}_2(\text{CO}_3)_3 + \text{NaCl}$