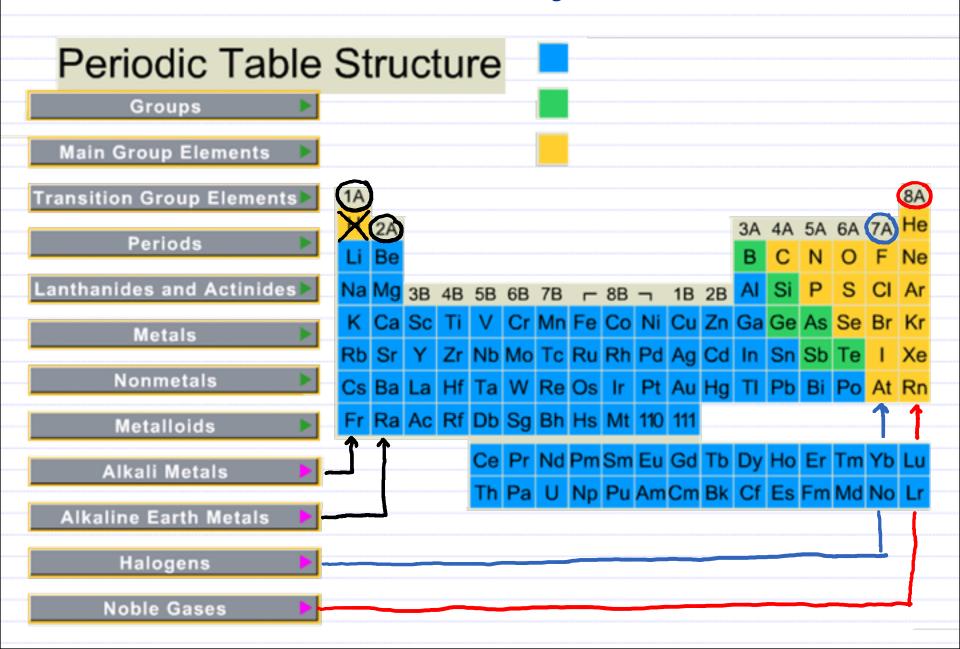
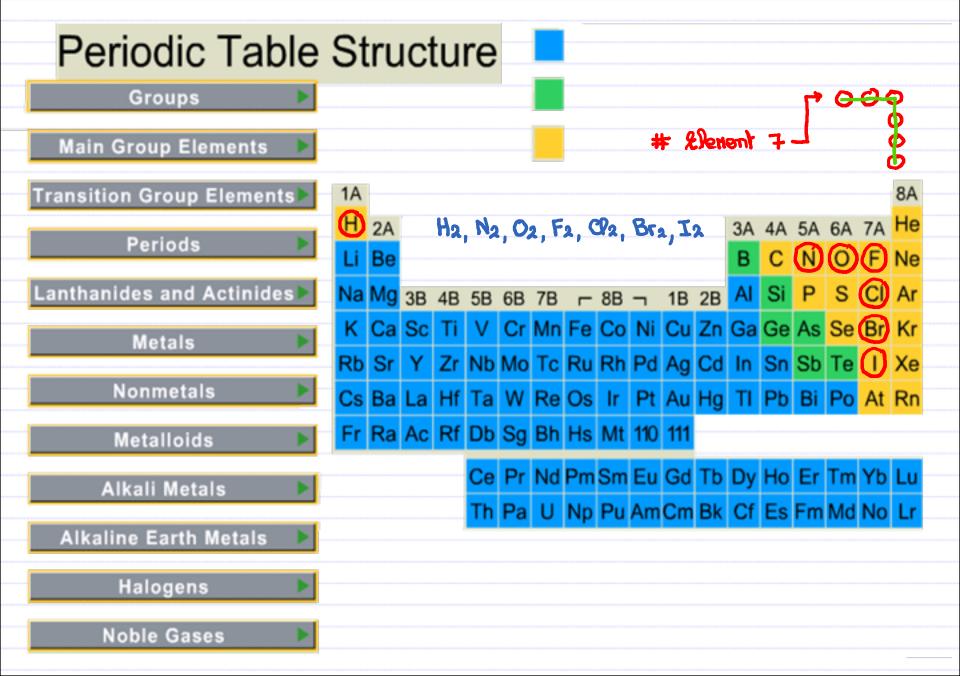


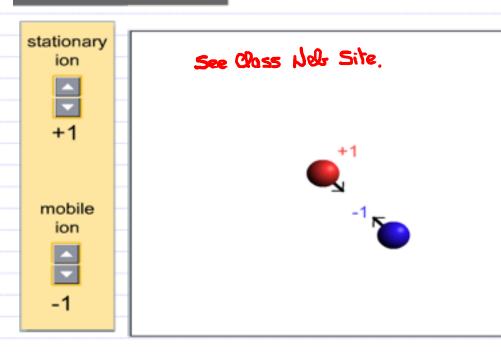
2.5 What Is the Periodic Table Alkali Metals – Alkaline Earth Metals – Halogens – Noble Gases





3.5

Coulomb's Law



FA: FORCE OF ATTRACTION

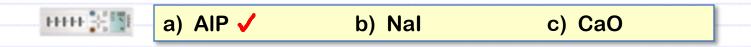
- a) Magmitude of the charges
- Distance Setween them

 Le plays a significant fide when the distance gets very small.

Force of Attraction = 3.7 × 10⁻⁹ N Distance = 2.50 Å

3.5 What Is an Ionic Bond and What Holds It Together

Which of the following three salts have the greatest force of attraction? (Assume that the distance is constant)



```
OP
OP ... GROUP 3A ... +3
P... GROUP 5A ... -3
```

3.5 What Is an Ionic Bond and What Holds It Together

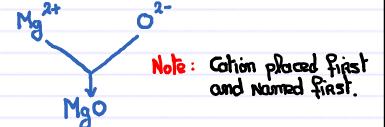
Which of the following salts would you expect to be soluble in water? (*Assume that the distance is constant*)

Explanation ... a presude to a future topic!

- 3.6 How Do We Predict Formulas and Name Ionic Compounds.
- A Binary Compounds

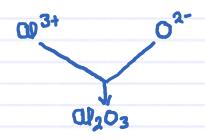
What is the formula and name of the ionic compound produced by Magnesium and Oxygen?

Mg: GROUP 2A ... +20
O: GROUP 6A ... -2



Mognesium oxide

Formula and name for the ionic compound produced by Oxygen and Aluminum?



alunimum oxide