

## Discussion Questions for Exp ..NO..1

**1- What are the conditions required in a materials that water crystallization can be determined? Give an example.?**

**A\ 1- Water is the main part to be volatilized only**

**2- When the composition of the precipitate is not changed by oxidation or hydrolysis ... etc ... like  $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$**

**2- Why empty Crucibles need to be heated?**

**A\ To get rid of the suspended materials in the crucible .**

**3- Define crystallized materials? Can some of them be used in chemical analyzes?**

**A\ Crystallized materials are solid materials with regular crystalline forms that are used as reagents after converting them into liquid materials, which are used in liquid state not in solid state.**

**4- What is the purpose of the crucible cooling after heating in a desiccator?**

**A\ To get rid of moisture .**