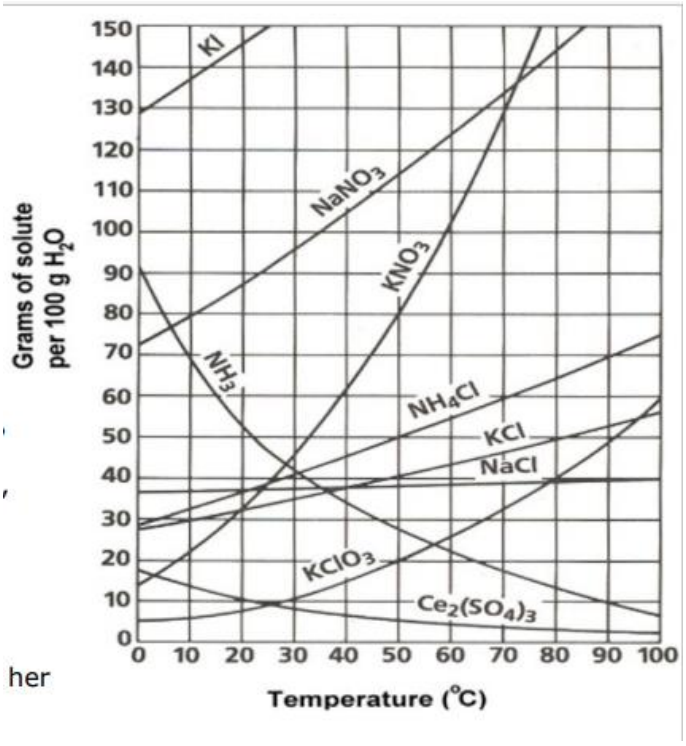
The National Orthodox School Shmaisani

The National Orthodox School/ Shmessani

Name: ..... **Worksheet: Solubility curve**

Date: ..... **Grade 7CS -ALL Sections**

Objective: To be able to read solubility curves.



1. **Using the solubility curve, find the solubility for each salt:**
   - **KNO_3 at 50°C**
   - **$NaNO_3$ at 25°C**
   - **$Ce_2(SO_4)_3$ at 20°C**

2. **A student dissolves 120g of $NaNO_3$ at 60°C, his solution is .....**
3. **A student dissolves 80g of KCl at 90°C, her solution is .....**
4. **A student dissolves 129g of KI at 0°C, his solution is .....**

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5. **Which compound is the least soluble? .....**

6. **Which compound is the most soluble? .....**

1. **Using the solubility curve, find the solubility for each salt:**

- **KNO_3 at 50°C** **80g**
- **$NaNO_3$ at 25°C** **90g**
- **$Ce_2(SO_4)_3$ at 20°C** **10g**

2. **A student dissolves 120g of $NaNO_3$ at 60°C, his solution is ...unsaturated..**
3. **A student dissolves 80g of KCl at 90°C, her solution is ...super saturated...**
4. **A student dissolves 129g of KI at 0°C, his solution is ..saturated..**

5. **Which compound is the least soluble? ..$Ce_2(SO_4)_3$..**

6. **Which compound is the most soluble? ..KI..**