

Melting Point Analysis

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Barron – Chem 475

- How it works
 - Background of chemical properties utilized
- Set-up
 - Sample Preparation
 - Equipment
- Output
 - Graphs
 - Interpreting Data
- Uses
 - Qualitative
 - Identification
 - Pure sample
 - Mixed Sample
 - Graphs
 - Quantitative
 - Purity/Molar Fractions
 - Graphs
- Specificity
- Examples of applications
 - Historically
 - Modern (there are some interesting applications in DNA analysis)
- Pros
- Cons/limitations