ON CLASS ACTIVITY – THERMAL METHODS – DTA & DSC

- What is DTA and how is it different form TGA?
- What is the basic principle of DTA analysis?
- What kind of thermogram is obtained form a DTA analysis?
- Why DTA is often used in combination with TGA?

- DSC
- What is the working principle of DSC?
- What is the difference between a heat flux and a heat flow DSC equipment?
- Important experimental aspects in DSC: sample preparation, measurement, thermal history
- Why heating rate is important? and how can it affect results?
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- What are the applications of DTA for characterization of materials? Which information can be obtained?

- Other thermal methods
- Briefly describe what is TMA, uses and applications
- Briefly describe what is DMA, uses and applications