

Module 2: Synthesis of Coordination Compounds and Kinetics

Pre-Lab questions.

- 1.- How can the reaction rate be measured?.
- 2.-Describe the Arrhenius equation?
- 3.-Describe the concept of pre-exponential factor.
- 4.-What is the activation energy?

Extra.

5.-The rate constant for the decomposition of a certain substance is $2.80 \times 10^{-3} \text{ dm}^3 \text{ mol}^{-1} \text{ s}^{-1}$ at 30 Celcius and $1.38 \times 10^{-2} \text{ dm}^3 \text{ mol}^{-1} \text{ s}^{-1}$ at 50 Celcius. Evaluate the Arrhenius parameters of the reaction.

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