

Reaction Mechanisms from Kinetic Data

Pre-lesson assignment- textbook page 287-288

Define the following key terms

- Reaction Mechanism
- Rate determining Step
- Intermediate

Make notes on the rate determining step

Use the following questions as guidance

1. Explain what is meant by a multi-step reaction and why reactions do not often take place in one step.
2. How do overall order and rate equation help us determine what happens in the rate determining step?
3. Use the example of hydrolysis of tertiary haloalkanes to illustrate how this data can be used.