

**Main Ideas, Key Points,
Questions:**

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- *To develop and explain models of chemical reactions and factors that affect rates of reaction.*
- *To plan and carry out investigations into factors that affect reaction rates.*

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

*After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"*

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

Before starting the Unit 9B video, make sure that you have developed a hypothesis, a representative system model, and an experimental procedure for determining the conditions that optimize the rate of reaction for the components of the antacid tablet in water.

1. You wrote your hypothesis in Unit 9A. Write a sentence that explains why you chose your hypothesis.

2. Describe your experimental procedure plan in three steps.

3. You drew a model of the reaction in Unit 9A. Write a sentence that explains what is happening in your picture.

You should proceed with your procedure and carry out your experimental procedure, collecting data in a data table or graph before continuing to the Unit 9C video.