

## NOTE-TAKING GUIDE: Unit 7, SEGMENT I

Name:

Date:

Main Id	eas,	Key	Points,
<b>Ouestio</b>	ns:		

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

## Objective(s):

- To explain the auto-ionization of water.
- To explain the logarithmic nature of the pH scale.

■ \/	r		Ç.	7		•	
■ A	ч	U.		ų.	w	-	

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?"



## QUESTIONS TO CONSIDER: Unit 7, SEGMENT I

Name:

Date:

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

Make sure you have written a titration plan and carried out the titration before continuing with this video.					
1.	Based on the titration you have completed, what was the concentration of the solution in your procedure?				
2.	What is the autoionization of water?				
3.	Based on the Bronsted-Lowry model of an acid and a base, how do we define an acid?				
4	Deced on the Ambenius model of an exid and a base how do we define an exid?				
4.	Based on the Arrhenius model of an acid and a base, how do we define an acid?				
5.	The pH scale is a logarithmic scale. Therefore, a pH of 2 is how much more acidic than a pH of 3?				
6.	The molarity of an acid is 0.05 molar. Use a calculator to calculate its pH.				