	me Date Class
22	Laboratory Investigation (continued)
1.	What visible indication is there that a chemical reaction is occurring?
2.	How is the concentration of $Na_2S_2O_3$ affected by the volume of distilled water?
3.	What happens to the reaction time as the volume of distilled water increases relative to t
	volume of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ?
<b>4.</b>	On a sheet of graph paper, prepare a graph of time versus volume of $Na_2S_2O_3$ by plottitime along the x-axis and volume along the y-axis.
${f A}$ I	alysis and Conclusions
	How did the concentration of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> affect the rate of the reaction?
	。
2.	
2.	
2.	Does your graph support your conclusion for question 1? Explain.
2.	Does your graph support your conclusion for question 1? Explain.
	Does your graph support your conclusion for question 1? Explain.
	Does your graph support your conclusion for question 1? Explain.
	Does your graph support your conclusion for question 1? Explain.  In this investigation, what are the variables? What is the control?  Based on your data, what do you think might be the rate law for this reaction?
3	Does your graph support your conclusion for question 1? Explain.  In this investigation, what are the variables? What is the control?