SA512 CHEMISTRY PAPER 2 2024

## SCORING GUIDE

	0-01	TING GUIDE			
ITEM 1'.					
SIN	Basis gassessment	Assessment Critaria	sconing		
A)	Aim of the experiment	An experiment to determine the effect of temperature on the rate of reaction of Sodium thio suppose	02		
B)	Variables of the experiment	sependant vaniable for	03		
(C)	Hypothesis	increases the rate of reaction of hud	02		
	Procedure of the experiment	acid and sodium thiosulf 50 cm³ of sochium thiosulf were measured and fut into abeaker. awhite paper was marked with a cross and the beaker containing Sochium thio sulphate placed on top. 5 cm³ of dilute lydrochloric acid were added to sochium thio sulph in the beaker using aburer and smaltameously the	iate		

IN	Bagis of 2 Assessment Criteria (SO)	6
1.	assesment.	( CX
	Clock started viewing the	
	hoss from alone the	
	The experiment is repeated	
	of sodium this another to	13 7 3 8
	Shown	1993
	5 am of dilit in adding	13 1 1 1 1 1
	The chiant	+
E	Risks and - and Pouring on the skin Mitigation or Question	
	mitigation or question	11 30 115
	Mitigation;	
	-Put on lob Cont al	137.00
	Shoes cleaning the	
	Shoes, cleaning the place of RISK; Black of	
	Lackage of the	
	apparatus eg thermometer:	13475
	Mitigation: Putting back the	10000
	thermometer in back the	12 1 1
	Case /	1
	Kisk, Ind.	11 11 11
	gas I fames produced during the	2383
	reaction troubled during the	133.33
	Jocan Inpo.	
	Marks Weaning of face 03	13/4/2
IF I	Presentation Temperature Volume of Volume	7 . 3
	If data a 1 & solution   Nan Sats of HCL (ime (s)	
	25.0 5.0 10.0	
	recording of 45.0 5.0 70.0	
	data 55.0 5.0	
	5D 5D	
	15.0 50 5.0	
131	24.0	

IN Basis of -37	Assessment critaria.	Severing.
a Nata analysi	Agraph of time against on temperature is plotted	
	Juga of time (Rate)	
	NB Values of 1 should be	
	midicated on data recording	04
H Conclusion	thom the data Collected, It can be seen that When the temperature is high, it took shorter time and when the temperature is low, it took alonger disappear. Therefore, The higher the temperature of Sodium	02
	faster the rate of reaction Total Scores	30