Name	:							ВІ	ock:			Gı	raphir	ıg Data
General								_					•	
	ent variable is de	fined as:												
-	nt variable is defi													
The x -axis	is the		_ variable. The	y - a:	xis is t	he _							va	riable.
What is a	slope?						_							
Graph 1:			Graph	1: D	ensity	of N	lagn	esiu	m					
Table 1: D	ensity of Magnes													
Mass (g)	Volume (cn	n³)												
17	10					\top					\top			
34	20					_	+	\vdash			+			
51	30					_	+	-			+	+		+
68	40					_	+	-			+			
85	50						_	_						
The equat	tion for this graph	n is: y=	Mass (g)											
The slope	for this graph is:		Mas											
The slope for this graph is:		_												
The indep	endent variable i	S:												
The deper	ndent variable is:					+					+			
What observations can be made about graph 1:						_	+	-			+	+		
what obse	ervations can be	made about graph 1:			\vdash	+	+	-		_	+	+		_
							-	-			_			
Graph 2:														
	oyle's Law							olun'		₃ ر				
Pressure	Volume (cm ³)		C	.l. 3.	D l - /	'- I		oluli	ie (c	· · · · · ·				
(kPa)			Grap	on 2:	Boyle'	s Lav	v .							
100	500													
150	333													
200	250													
250	200								\top					
300	166				+	+			\dashv	+			+	\vdash
350	143		13	\vdash	+	+		\dashv	+	+	+-		+	+
400	125		(cm	\vdash	+	+		\dashv	+	+	+			\vdash
450	110		me	\vdash	\perp	-			_	\perp	_			\square
The indep	endent variable	s:	Volume (cm³)					_	_		_			
The dener	ndent variable is:		>											
What obse	ervations can be	made about graph 2:												
Conclusio	n·					1		\neg	\top					
Conclusio	<u></u>				_	+		_	+	_	+		_	+
What are	the differences in	n graph 1 & graph 2:		\vdash	+	+		\dashv	+	+	+-		+	+
	_													
Now, read	d pages 55-57							Pro	255111	re (kPa	1)			
Granh 1 ic	known as heing			\٨	hich r	ทอวท	ic in			-		at.		
σιαμιί τ 15	i kilowii as belilg.			vv	HICH	ııcaı	is III	21111	JIISU	כ נפוו	ווט נוו	iat.		
Graph 2 is	known as being				Which	n me	ans i	n sir	nplis	stic te	rms	that:		

Practice #1

Table 3: Cesium-137 Half- life					
Amount of sample (kg)	Time (years)				
1.00	30.2				
0.5	60.4				
0.25	90.6				
0.125	120.8				
0.0625	151				

The independent variable is:

The dependent variable is:

What observations can be made about graph 3:

This is a _____ graph.

Practice #2

Table 4: Solubiltity of KClO3					
Temperature	Solute per				
(°C)	100g of H ₂ O				
0	5				
20	8				
40	15				
60	28				
80	45				
100	60				

The independent variable is:

The dependent variable is:

What observations can be made about graph 4:

This is a _____ graph.

Practice #3

Table 5: Charles's Law @					
1atm for 0.1 mole of H₂(g)					
Volume (L)	Temperature				
	(°C)				
2.24	0.000				
2.65	50.00				
3.06	100.0				
3.47	150.0				

The independent variable is:

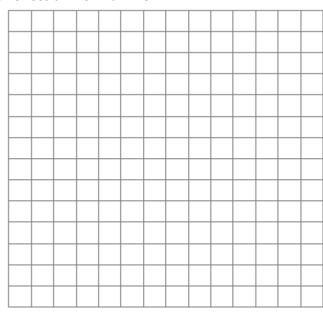
The dependent variable is:

What observations can be made about graph 5:

This is a _____ graph.

Graph 3: Cesium 137 Half Life

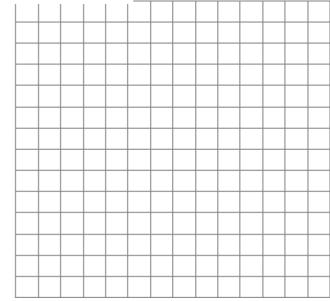
Amount of Sample (kg)



Graph 4: Solubility of KClO₃

Time (years)

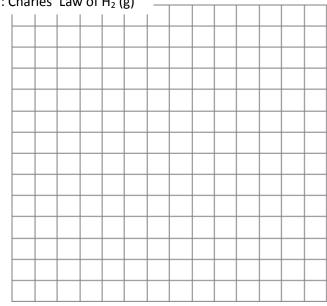
Solute per 100g of H₂O



Temperature (°C)

Graph 5: Charles' Law of H₂ (g)

Volume (L)



Temperature (°C)