


2016

5.1.b Student Group Gas Law Data

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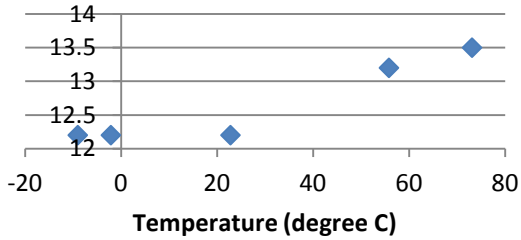
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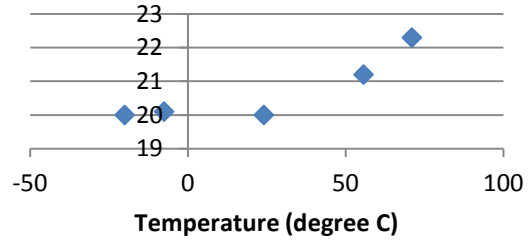
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5.1.b Student Group Gas Law Data

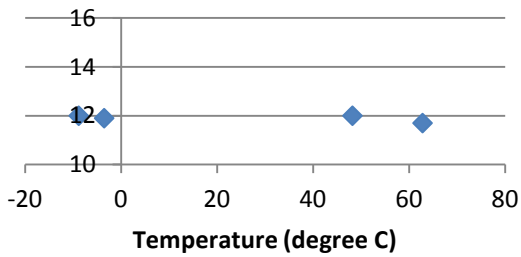
Relationship of gas volume to temperature (Nick, Sean)



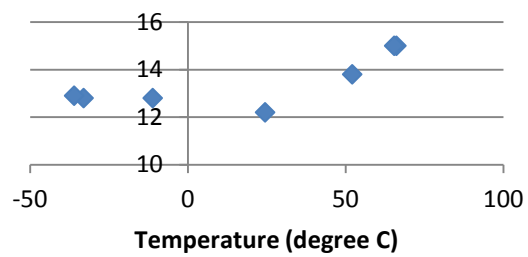
Relationship of gas volume to temperature (Taylor, Kaleigh)



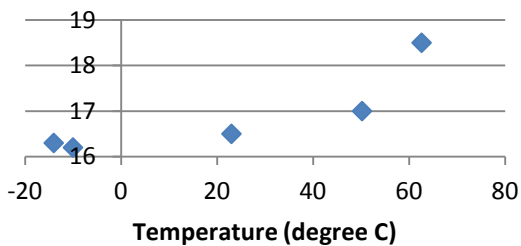
Relationship of gas volume to temperature (Samantha, Eliza,...)



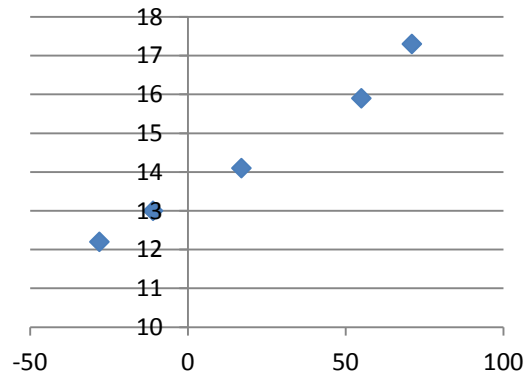
Relationship of gas volume to temperature (EmilyD, AmandaG)



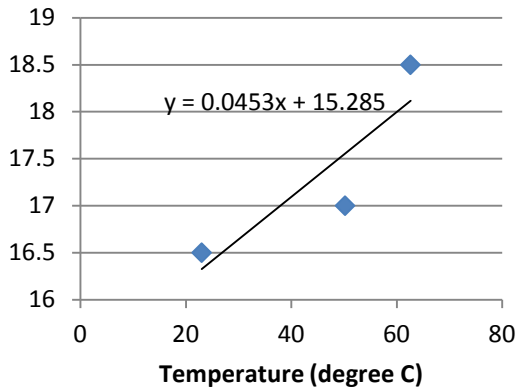
Relationship of gas volume to temperature (Marissa, Miriam)



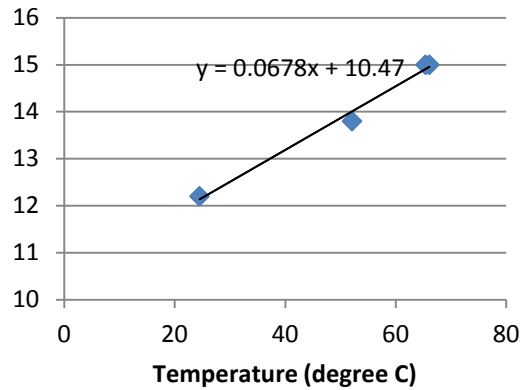
Relationship of Gas volume to temp (CB)



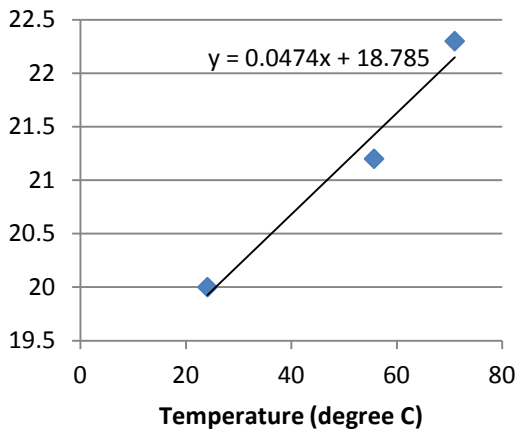
Relationship of gas volume to temperature (Marissa, Miriam)



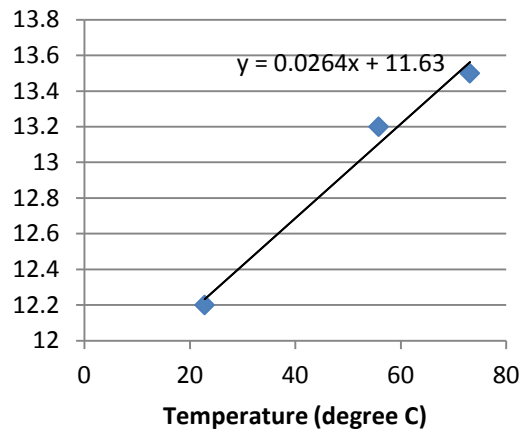
Relationship of gas volume to temperature (EmilyD, AmandaG)



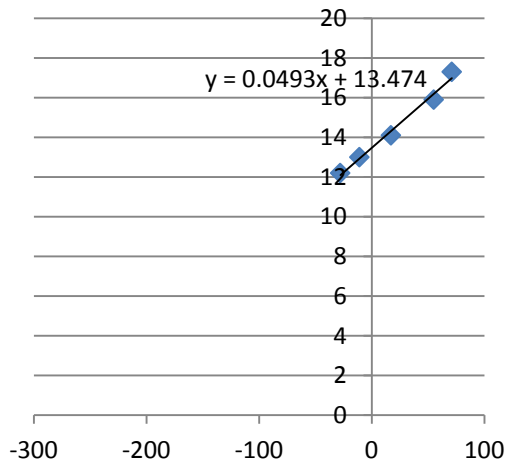
Relationship of gas volume to temperature (Taylor, Kaleigh)



Relationship of gas volume to temperature (Nick, Sean)



CFB data



Expt B Sublimation of Dry Ice in syringe

	mass (mg)	volume (mL)	ratio (mL/mg)
KR CC	24	5.5	0.23
	22	3.9	0.18
EmmaJake	22	7	0.32
	12	5	0.42
TimJon	16	3	0.19
	25	7	0.28
HP AJ	15	4	0.27
	19	4.5	0.24
BP EK	20	7	0.35
	8	1	0.13

0.26	average
0.09	stddev
0.55	theory

Results of Expt C

Substance	Compressibility?
sand	not (unless there was small air gap)
salt (NaCl)	not (unless there was small air gap)
water	compressed, but only if there was an air bubble
air	compressed, then rebounded (unless some escaped)
TFE (tetrafluoroethane)	compressed, then rebounded (unless some escaped)