

CHM201 General Chemistry and Laboratory I
Laboratory 7 – Thermochemistry and Hess's Law
Spring 2021

Section 03

Name Kevin Rodas

Group B

Name Anastasiia Schmidt

Room Temperature 21.6 °C

Reactant	Mg	Mg	MgO	MgO
Trial Number	1	2	3	4
Mass of reactant	0.2470	0.2498	0.5064 0.5361	0.5036
Data from graph				
Initial Temp (t ₀)	21.7	21.3	28.3	26.6
Initial Time (T ₀)	30.5 31.5	34.0	33.0	33.0
Linear Curve fit slope (m)	-0.0043	-0.0047 ₄₅	-0.0042	-0.0036
Linear Curve fit intercept (b)	33.60	34.06 °C	32.07	30.47

Notes: