

Name _____ Section _____

Partner _____

CHM 112 Kinetics: Temperature Effect Report Form

$\Delta[\text{MnO}_4^-]$ for each trial _____

Temperature (K)	1/ Temperature(K^{-1})	Δ time (s)	Rate (M/s) $-\frac{1}{2} \Delta[\text{MnO}_4^-]/\Delta t$	ln(Rate)

Attach graph of ln(Rate) vs. 1/T and your calculations.

Slope of best straight line _____

Experimental activation energy _____