

Name _____ Section _____

Partner _____

CHM 115 Lab 15 Report Form
Kinetics – Temperature Effects

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

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

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

Slope of best straight line _____

Experimental activation energy _____