

Name: \_\_\_\_\_

Section: \_\_\_\_\_ Date: \_\_\_\_\_

**Preliminary Report**

## Experiment 7: pKa of methyl red from UV–vis spectroscopy

1. Calculate the concentration of stock solution (Molar mass of red=269.3 g/mol). Show your calculation.
  2. What is the significance of the isosbestic point?
  3. Define buffer solution.
  4. What is the relationship between absorbance and concentration of the sample?
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