

## Spectroscopy Lab Part 2

Purpose: To use spectroscopy and data from part 1 to identify unknown chemicals

Materials: Spectrometer, computer, cuvettes, disposable pipettes.

Procedure: Each chemical bottle contains two unknown chemicals. Each chemical is shown on the graph that was created in part one of the lab. Complete the chart below and identify the chemicals in two of the unknowns.

Data:

Unknown Letter	Wavelength of highest absorbance	Wavelength of 2 <sup>nd</sup> highest absorbance	Other significant wavelength of absorbance (or notes as necessary)

RESULTS:

Unknown Letter	Chemical Formula of Unknown 1	Chemical Formula of Unknown 2