***Asorbance of Unknown Sample***

***Purpose***

To find an unknown concentration of a solution by plotting known concentation of the same solution vs asorbance.

***Experiment***

1. Every student should have one test tube labeled unknown.
2. Draw two columns on a sheet of paper and label **PERCENT** on top of column one and **DATA** on top of column two.
3. In the Percent column **WRITE** 0% for test tube 1, 20% for test tube 2, 50% for test tube 3, 80 % for test tube 4 and 100% for test tube 5.
4. Put the test tube 1(BLANK) into spec20.
5. Make sure the absorbance reading is approximately **0**.
6. Put test tubes 2 through 5 into the spec20. While one students reads (**out loud**) the ***abs*** values. Another student records the abs values in the **DATA** column.
7. Put the last test tube labeled **"ev"**(UNKNOWN) into the Spec20

Write down the asorbance reading in the data column and mark it as "x" in the percent column.

1. Take the data sheets to the computer station .