

## **Diffusion Lab Activity**

**You will have the following material at your disposal:**

**Cups, Droppers, Dye, Water (Hot, Cold, Room temperature)**

**Utilizing the items listed above, design and carry out an experiment.**

**You will work in groups of 2 or 3, however, EACH INDIVIDUAL will need to turn in a final lab report. This report needs to utilize the experimental design format you are provided with and will include such things as:**

- **Scientific Question you are seeking an answer to.**
- **Hypothesis (If..... Then.....)**
- **Experimental Design (including, but not limited to the following)**
  - **Methods and Materials**
  - **Things you are attempting to control**
  - **Independent Variable**
  - **Dependent Variable**
- **Observations and Results**
- **Conclusion/Explanation of your results**

**You should conduct and carry out your experiment during class. Your lab report will be due on \_\_\_\_\_.**