**Lake Turnover Lab**

**Background: (write and answer questions in lab notebook)**

1. What is lake turnover?
2. How does lake turnover work?
3. Where are the nutrients in the summer? Winter?
4. Where is the oxygen in the summer? Winter?

**Purpose:**

(Why are we doing this lab? What are we trying to find?)

**Prediction:**

(What do you think will happen?)

**Procedure:**

**(you can copy these into your notebook or summarize them in your own words)**

1. Fill one beaker with about 50 mL of water

2. Add ice cubes (2-3) to beaker and stir

3. Add about 2-3 drops of blue food coloring to beaker and stir

4. Obtain about 200mL of HOT water in a second beaker from Ms. Emigh. Put this beaker down on the table and let the water calm so there are no waves.

5. Fill a pipette with the cold, blue water

6. Put the end of the pipette in the beaker against the side of the beaker close to the top of the HOT water

7. Slowly add drops of blue, cold water

8. What happens to the ice water (where does it go? Where does it lay in the beaker?) Record your observations.

9. Clean all supplies, put them in bin, wipe table, put bin away

**Observations:**

(record what you saw)

**Technical Drawings:**

Draw what you saw happen in the lab – be sure to label the lab equipment, liquids, etc. ADD COLOR! (use colored pencils)

**Conclusion:**

Use Conclusion format

\*\*Write an AHA connection for this lab!