1. What is the definition of a watershed: 1 Possible Point
   a. A river that flows into an ocean.
   b. A building where water is filtered.
   c. An area of land that catches precipitation that drains into a common body of water.
   d. A peninsula of land that filters a body of water.

2. The Lake Champlain Basin is made up of parts of the following: 1 Possible Point
   a. Vermont
   b. Vermont and New York
   c. Vermont, New York, and Ontario
   d. Vermont, New York, and Quebec

3. What direction does Lake Champlain flow? 1 Possible Point: __North________

4. What is the name of the microscopic plants that are primary producers and form the foundation of Lake Champlain’s food web? 1 Possible Point: Phyto Plankton

5. List two opportunistic species found in Lake Champlain: 2 Possible Points: Possible answers are zebra mussels, Eurasian milfoil, Quagga mussels, alewife, purple loosestrife, water chestnut, rusty crayfish, rock snot

6. On the graph below: 3 Possible Points
   - Draw oxygen (O2) bubbles where you think the most oxygen is in the lake
   - Draw fish where you think you would find the plankton
   - Shade in where you think it’s the darkest in the lake

   ![Graph of lake with oxygen and plankton locations]
7. Put these steps of the **Scientific Method** in the correct order (Use numbers 1-6):
   *6 Possible Points*
   
   ___3___ Make a **Hypothesis**
   
   ___5___ **Analyze** your Data
   
   ___1___ Ask a **Question**
   
   ___6___ Report your **Results**
   
   ___4___ **Test** your Hypothesis
   
   ___2___ Do Background **Research**

8. Explain your favorite activity on Lake Champlain, either in writing or drawing: