

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### **Lesson 1: Activity 2. Currents in water Student Worksheet**

Observe the movement of the food coloring as it moves through the water

1. Draw your observations an overhead view of the water's motion (as you are looking down on the pan)

- Show the movement of the colored water (currents) and its relationship to the hot water or heat source for convection
- Include an explanation about the motion of the water.

2. Now draw the currents in a side view.

3. What effect does the hot water in the center under the saucepan have upon the currents?

4. What type of heat transfer is taking place? How do you know?