

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

STUDENT #: \_\_\_\_\_ TEACHER: \_\_\_\_\_

## Investigation Sheet 1

Record the steps in your procedure to test how to remove 20 ml of oil from a water tray without removing large amounts of water. Your procedure should focus on the removal process, not the set-up.

### DATA

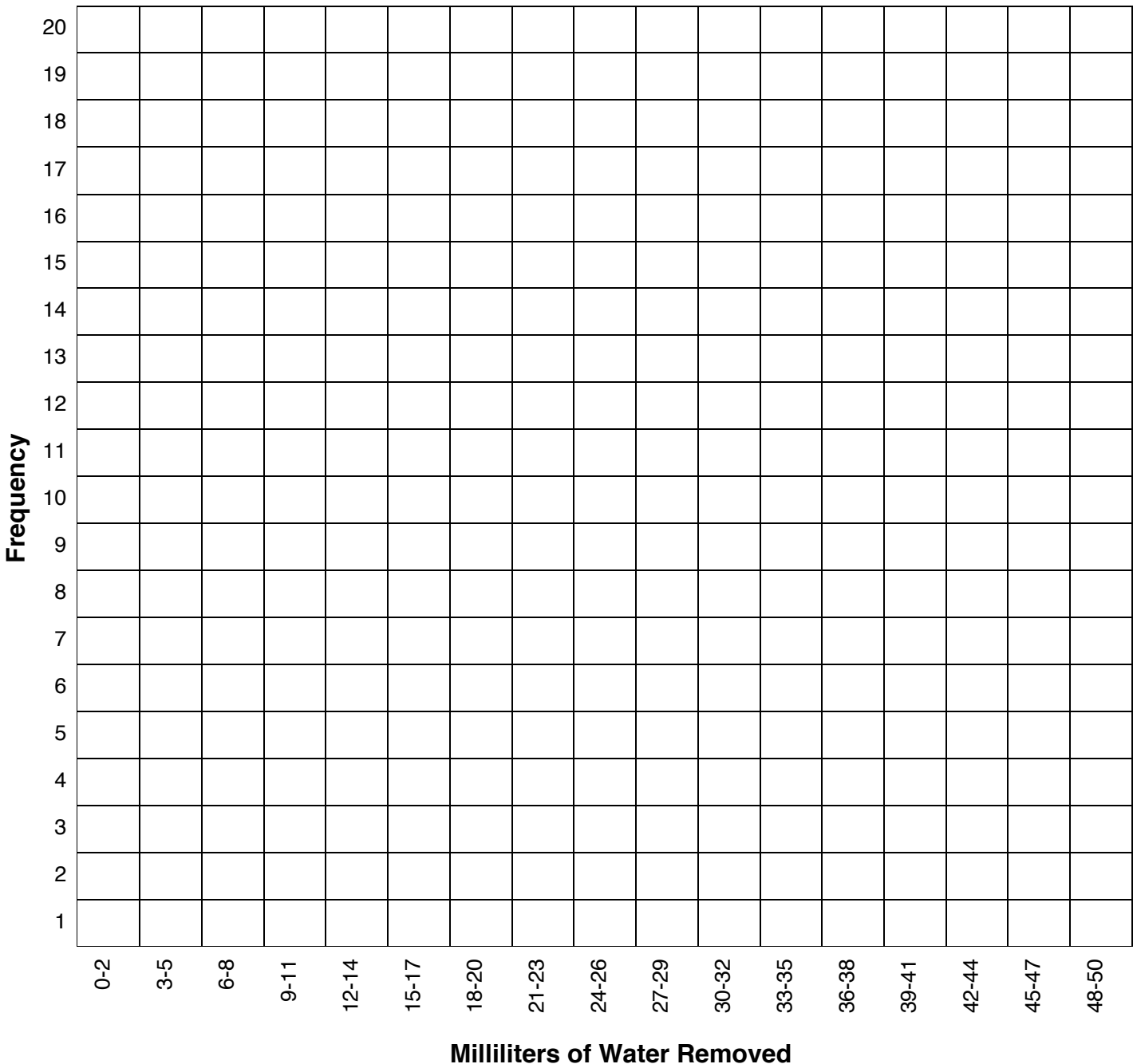
Trial	Did you remove 20 ml of oil?		Milliliters of oil removed	Milliliters of water removed
1	Yes	No		
2	Yes	No		
3	Yes	No		
4	Yes	No		
5	Yes	No		

**NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**STUDENT #:** \_\_\_\_\_ **TEACHER:** \_\_\_\_\_

## Results Graph 1

Place an X in the box above the number of milliliters water that each group removed when they removed the oil (starting with Row 1). If more than one group gets the same result, place the X in the next row above the number of milliliters of water. If groups did not remove 20 ml of oil, place their X's in red.



**NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**STUDENT #:** \_\_\_\_\_ **TEACHER:** \_\_\_\_\_

## Investigation Sheet 2

Record the steps in your procedure to test how to remove 20 ml of oil from a water tray without removing large amounts of water. Your procedure should focus on the removal process, not the set-up.

### DATA

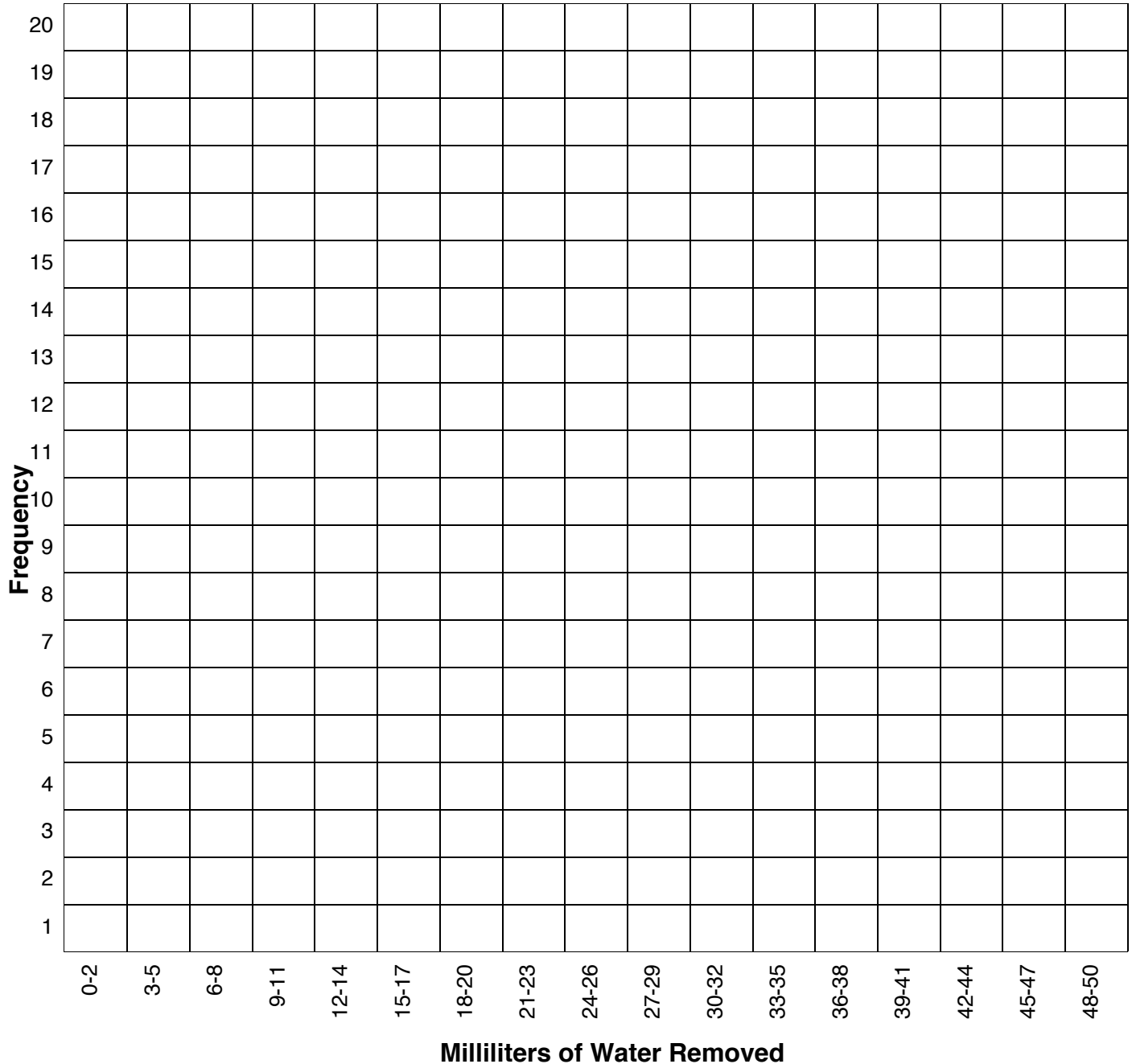
Trial	Did you remove 20 ml of oil?		Milliliters of oil removed	Milliliters of water removed
1	Yes	No		
2	Yes	No		
3	Yes	No		
4	Yes	No		
5	Yes	No		

**NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**STUDENT #:** \_\_\_\_\_ **TEACHER:** \_\_\_\_\_

## Results Graph 2

Place an X in the box above the number of milliliters water that each group removed when they removed the oil (starting with Row 1). If more than one group gets the same result, place the X in the next row above the number of milliliters of water. If groups did not remove 20 ml of oil, place their X's in red.



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

STUDENT #: \_\_\_\_\_ TEACHER: \_\_\_\_\_

### Recommendation Letter

Write a recommendation letter to the Georgia Tech research team to explain your procedure for an oil spill cleanup.

Your letter should include the following:

- Why is it important to clean up oil spills? Think about Dr. Kostka’s and ECOGIG’s work.
- A description of your procedure including the tools you used and how you used them. Use key terms such as skimmer and boom.
- The variables that you controlled in your procedure.
- Evidence (data) that your procedure produces consistent results.
- Evidence (data) that your procedure meets the goals of the challenge.
- Any additional changes that you might make to your procedure and why.

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---