

Name _____ Date _____

Marshmallows vs. Containers

Picture

Draw a picture of the lab setup.
Be careful when you draw your three containers.
Be sure to label your picture.

1. What is the manipulated variable? _____
2. What is the responding variable?
_____ of _____

Data Table

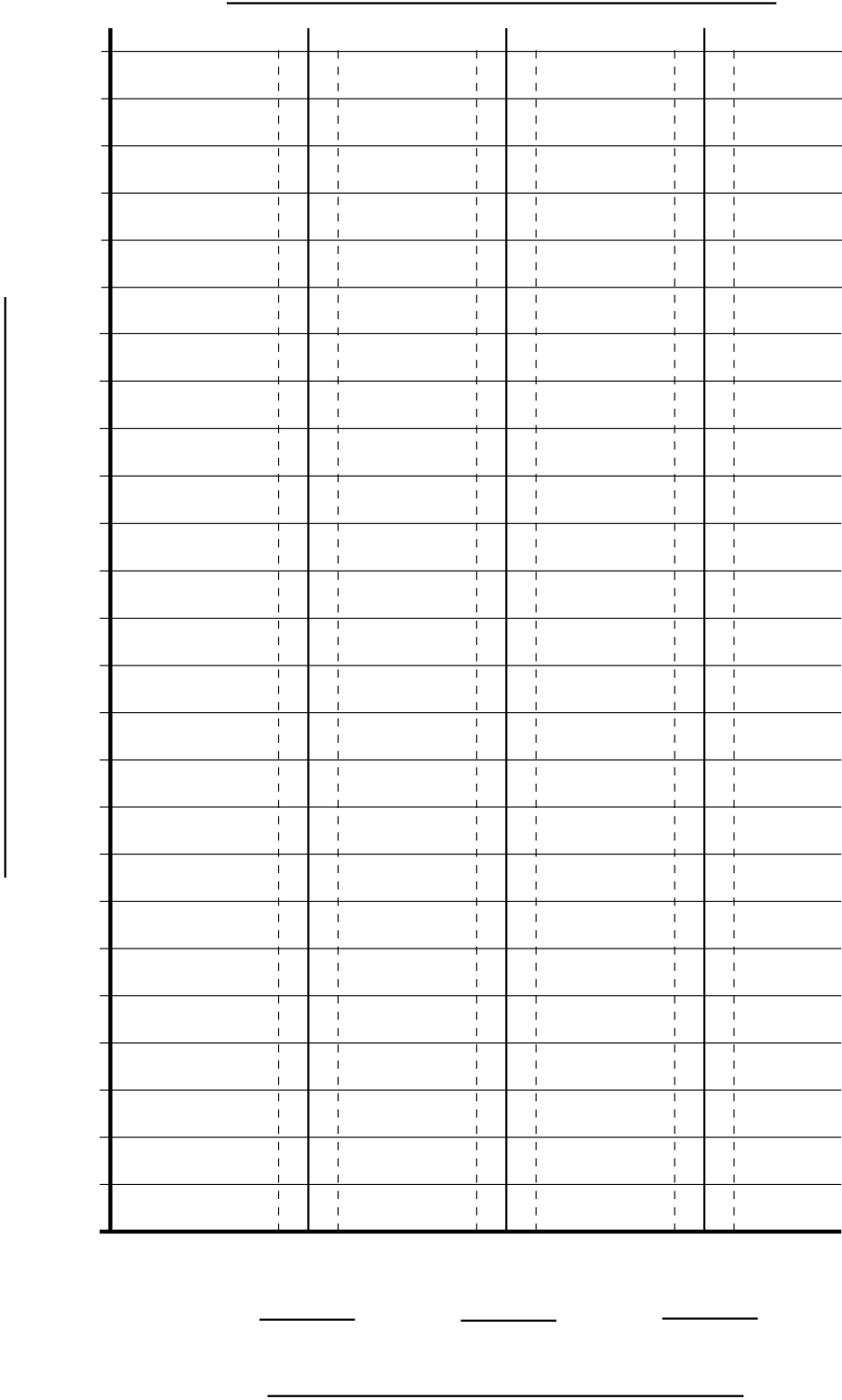
Work with your group to do the experiment.
Fill in the table below.
Remember to use proper units.

Table I

C Container	N Number of _____ units

Graph

Make a bar graph of your data.
Center your bars on the lines, not between the lines.



Comprehension Questions

3. Which container is the tallest? _____

4. Which container is the shortest? _____

5. Which container holds the most objects? _____

6. Which container has the largest volume? _____

7. Which container has the smallest volume? _____

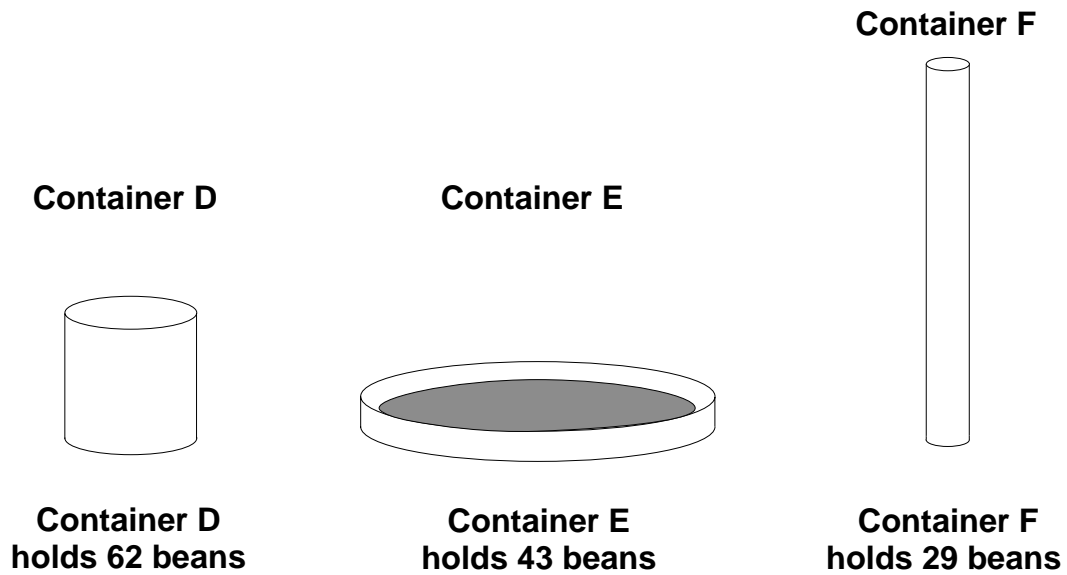
8a. Will a taller container always hold more water than a shorter container?

8b. Why or why not? _____

9a. Will a taller container always have a bigger volume than a shorter container?

9b. Explain. _____

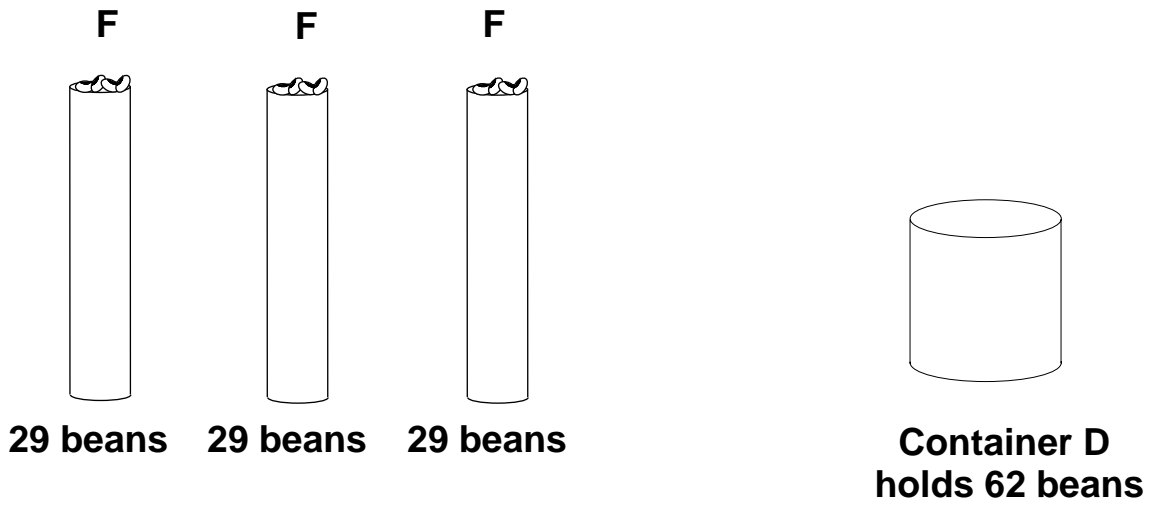
10. Marisa has three containers as shown below. She fills them with beans.



- 10a. Which container has the biggest volume? _____
- 10b. Which container will hold the most water? _____
- 10c. Which container will hold the least water? _____
11. Marisa pours the beans from container D into an empty container F.
- 11a. Will the beans overflow container F? _____
- 11b. If so, how many beans will spill onto the floor? _____
- 11c. Explain how you found your answer. _____

- 12a. Can the beans from container E and container F fit into an empty container D? Explain how you found your answer.

13. Marisa has three container F's. Each is full of beans. She pours them into an empty container D until it is full.



- 13a. Will all the beans from the full containers fit into the empty one?

- 13b. If not, how many beans will not fit? _____

- 13c. Explain your answer. _____

14. What is volume? _____

