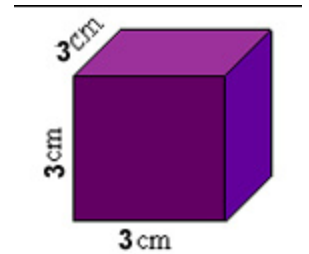


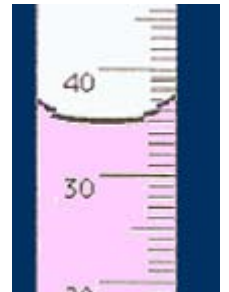
Volume Lab

LP _____ Date _____



Objectives:

- to determine the volume of a regular object using the formula:
length x width x height
- to define the term "**meniscus**"
- to read a graduated cylinder using the meniscus
- to determine the volume of an irregular object using water **displacement**



Materials:

- Graduated cylinder
- A variety of materials such as blocks of wood, marbles, paper clips, box of tissues, etc, set up around the room at stations
- calculator
- ruler

Procedure:

1. There are numbered stations around the room.
2. You will be assigned a station to start at
3. At the station you will find the volume of the object(s) at that station using one of the methods we have discussed in class.
4. Record your results in **Table 1**.
5. **Do NOT** proceed to the next station until it is time to rotate.

Formula for regular volume: $L \times W \times H = \text{cm}^3$

Ending Volume - Starting Volume = Volume of object in mL

Data:

Table 1: Volume of regular and irregular objects

Object	Record LxWxH or Start and Finish Volumes	Volume mL or cm³
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		



Analysis/Results:

1. What is a meniscus?

2. What item had the largest volume? Explain.

3. What item had the smallest volume? Explain.

4. In your opinion, which method found the volume the fastest?

Conclusion: 2-3 sentences demonstrating what you learned in this lab.

