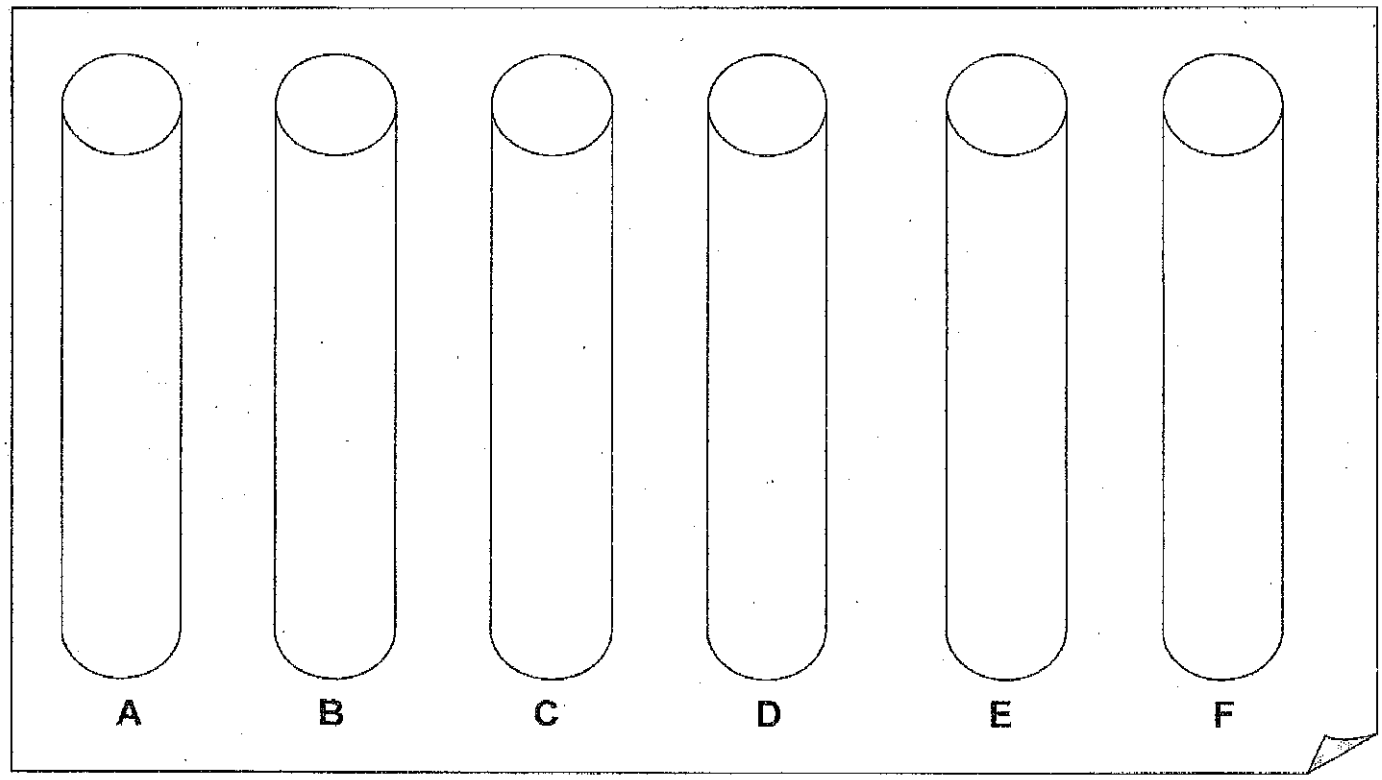
Measuring Liquid Volume with a Graduated Cylinder

Part 1: Observations Table: In the space below, draw your results. Be sure to include the COLOR and approximate height of each liquid!



Part 2: Defense! In the space below, defend your results…justify WHY you think you have the correct answer!

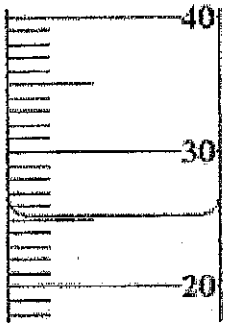
Part 3: Conclusion: In the space below, write a conclusion paragraph about this lab. Be sure to explain WHAT you learned, whether or not you got accurate results, and WHY.

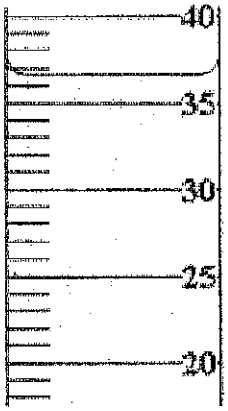
Name:_____

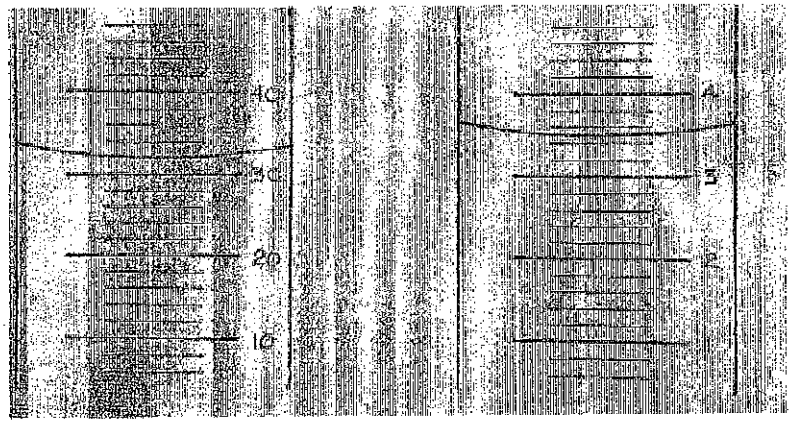
USING A GRADUATED CYLINDER

A graduated cylinder measures liquid volume. Different graduated cylinders have different scales on them. You must consider the scale being used. Also, you must consider the meniscus! A meniscus is the curve in the upper part water that isn't moving. You always measure liquid in a graduated cylinder from the BOTTOM of the curve!

What volume is shown on each of the following graduated cylinders?

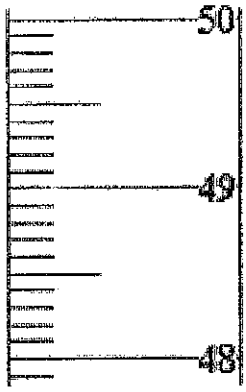




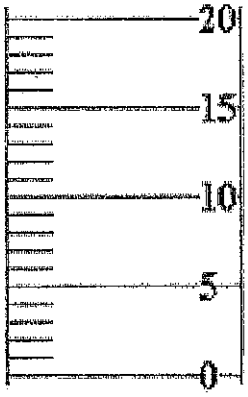


a)_____ b)_____ c)_____ d)_____

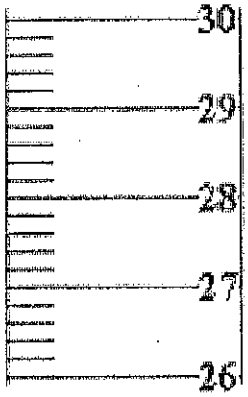
Now, draw in the meniscus for each of the following graduated cylinder volumes!



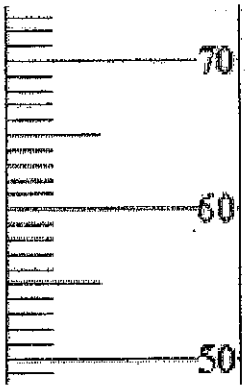
a) 49.21 mL



b) 18.2 mL



c) 27.65 mL



d) 63.8 mL