Name _____ Date _____

Activity: Height of a Liquid in a Container vs. Volume

Procedure:

1. Indicate which of three types of containers you will start with: A large cylinder (500 ml beaker), a skinny cylinder (140 ml beaker), or a conical flask.
2. Fill a graduated cylinder with 15 ml of water. Pour the water into your container. Measure and record the height of the water from the tabletop in centimeters.
3. Determine the height of water above the tabletop when 30 ml of water is in the container. Repeat until the following data table is complete.
4. Graph the results.
5. Draw a smooth curve through the data points.

Trial	Volume (ml)	Height (cm)
1	15	
2	30	
3	45	
4	60	
5	75	
6	90	
7	105	
8	120	
9	135	
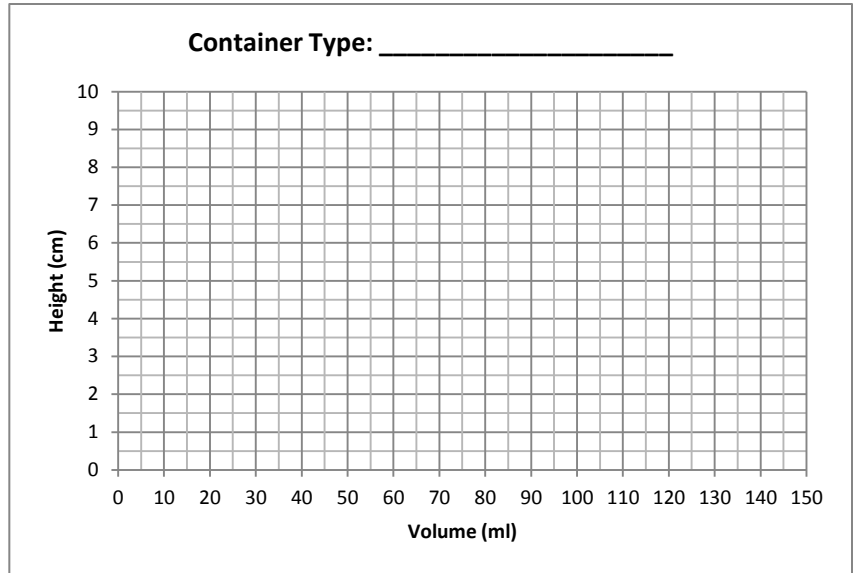
Container Type: _____

Class Discussion – Compare the results of the class. Make notes of the class discussion below and make a sketch for the two containers that were not assigned. (A sketch of a graph need only show the general shape and features of the graph.)

Container Type: _____

Container Type: _____