Check that the clamping screw which holds the gauge assembly in place is approximately 10” above the top of the tripod into which its supporting rod screws. Tightly screw in place the uniform, cylindrical column. Adjust the level marker to a position about 1/2” below the top of the column. Adjust the height of the reservoir so that its top is below the bottom of the column, and fill the reservoir with water to within 1” of the top.

By raising the reservoir, fill the column to the marker, allow time to reach equilibrium, and note the reading of the pressure gauge.

Replace the uniform, cylindrical column with the column which flares at the top. Fill to the marker (same height) and note that the pressure reading is the same as with the other column. Thus, the pressure depends only upon the height of the column and not at all upon the shape or the amount of water contained.

**Note:** There is a third column which you can also use if you wish.