

PRACTICE 5. CALCULATING THE DENSITY OF DIFFERENT SOLIDS.

Objective: Calculating the density of different objects.

Material: Graduated cylinder, scale, solids (marble, cylinder, Stone), water.

Procedure:

- Fill the graduated cylinder up to its half approximately, making up to the chosen mark avoiding any parallax error.
- Determine with the scale the mass of the solid (or solids) and take note of its value.
- Add each one of the objects to the graduated cylinder and take note of the difference in volume before and after.
- Complete the following table.

Object	Mass (g)	Initial Volume (mL)	Final Volume (mL)	Volume of the body (mL)

- Calculate the density, **en g/mL and in SI units**, for each one of the objects.

(Remember the formula: $d = \frac{m}{V}$)