

To Find Density

Gas-Liquid

10/20

$$V = 5 \text{ mL}$$
$$\text{mass} = 3.5 \text{ g}$$

$$D = \frac{m}{V}$$
$$= \frac{3.5 \text{ g}}{5 \text{ mL}}$$

$$= 0.7 \text{ g/mL}$$

Step 1: Write Formula

Step 2: Substitute values

Step 3: Divided / Round To
Hundredths

Step 4: Box Answer

2. To Calculate Mass ^(g)

$$V = 12 \text{ cm}^3$$
$$D = 2.7 \text{ g/cm}^3$$

$$M = D \times V$$
$$M = 2.7 \text{ g/cm}^3 \times 12 \text{ cm}^3$$
$$M = 32.4 \text{ g}$$

3. To Calculate Volume ^(mL)

$$m = 7 \text{ g}$$
$$D = 4.2 \text{ g/mL}$$

$$V = \frac{m}{D}$$
$$= \frac{7 \text{ g}}{4.2 \text{ g/mL}}$$
$$= 1.67 \text{ mL}$$