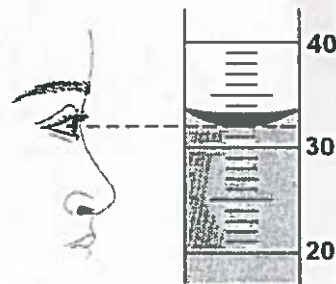


1. (1 pt) How would you record this measurement on your lab data sheet? 32.0 mL2. (1 pt) What is the uncertainty in this measurement? $\pm$ 0.1 mL

3. (1 pt) Circle each one that is correct.

A) 1 second = 10^{-6} μ s B) 1s = 10^{-3} ms C) 1 cm = 0.01 m D) 1 km = 1000 m

4. (5 pt) Match the following quantities, names and symbols:

QUANTITY	UNIT NAME	UNIT SYMBOL
Mass	gram	g
Volume	liter	L
Temperature	Kelvin	K
Heat	calorie	cal
Pressure	paschal	Pa

NAMES: liter, paschal, pound, seconds, meter, Kelvin, calorie, gram, yard

UNITS: Pa, g, lb, K, cal, yd, m, s, L

5. (2 pt) Sea level pressure is equal to 760 mm mercury. How many inches of mercury is this? ($2.54 \text{ cm} = 1 \text{ in}$)

$$760 \text{ mm} \times \frac{.001 \text{ cm}}{.001 \text{ mm}} \times \frac{1 \text{ in}}{2.54 \text{ cm}} = 2.9 \text{ in}$$

6. (1 pt) How many degrees Fahrenheit is -32 degrees Celsius? ($^{\circ}\text{F} - 32 = 1.8 ^{\circ}\text{C}$)

$$\begin{aligned} F &= 1.8C + 32 \\ F &= 1.8(-32) + 32 \\ &= -58 + 32 \\ F &= -26 \end{aligned}$$