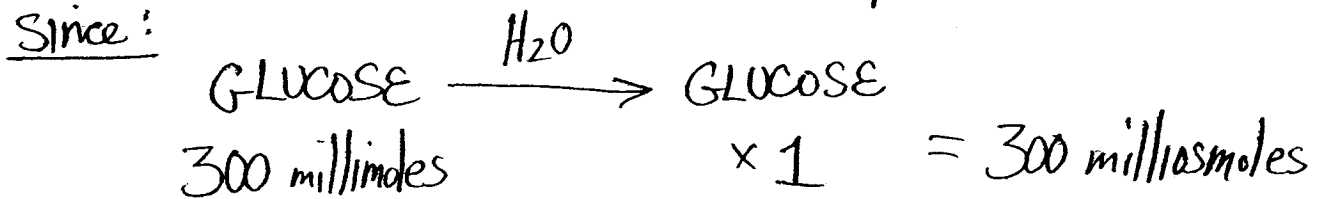


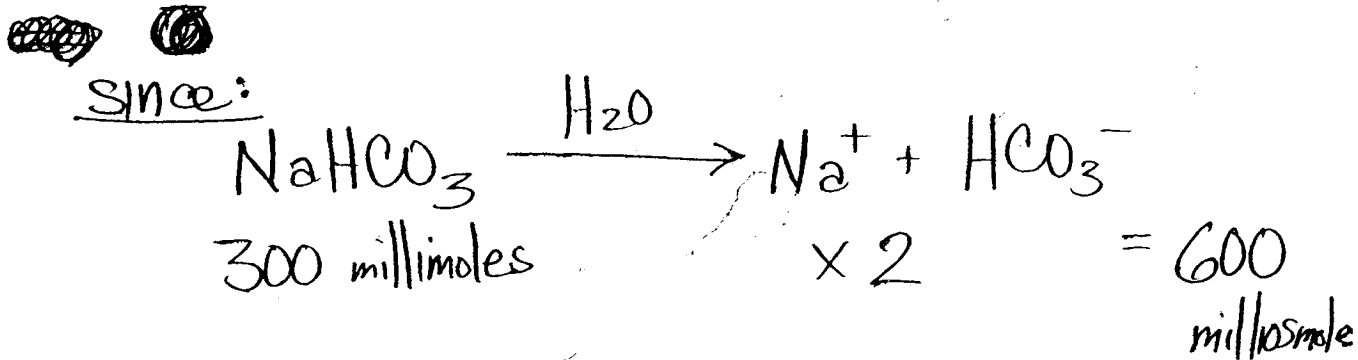
# TONICITY

$$\textcircled{4} \quad 300 \text{ mM D-GLUCOSE} \equiv \frac{300 \text{ millimoles D-GLUCOSE}}{1,000 \text{ ml}}$$



$$\Rightarrow \frac{300 \text{ milliosmoles}}{1,000 \text{ ml}} \quad \text{ISOTONIC}$$

$$\textcircled{5} \quad 300 \text{ mM NaHCO}_3 = \frac{300 \text{ millimoles NaHCO}_3}{1,000 \text{ ml}}$$



$$\Rightarrow \frac{600 \text{ milliosmoles}}{1,000 \text{ ml}} \quad \text{HYPERTONIC}$$