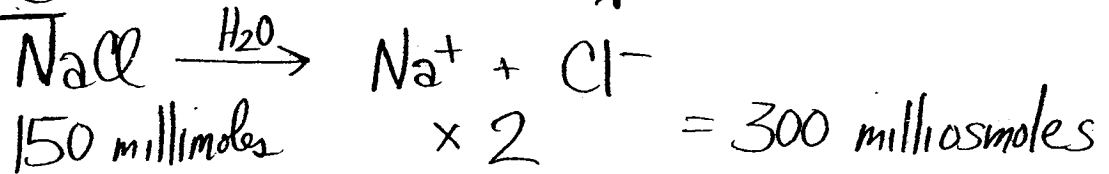


TONICITY

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$$\textcircled{1} \quad 150 \text{ mM NaCl} \equiv \frac{150 \text{ millimoles NaCl}}{1,000 \text{ ml}}$$

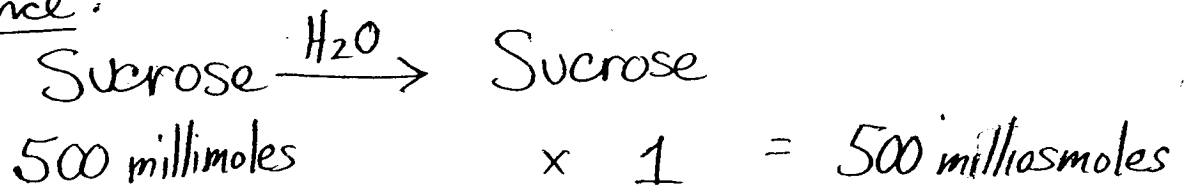
since:



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

$$\textcircled{2} \quad 500 \text{ mM SUCROSE} \equiv \frac{500 \text{ millimoles SUCROSE}}{1,000 \text{ ml}}$$

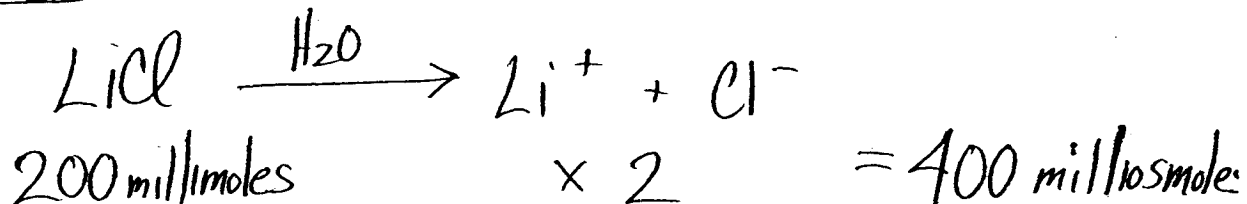
since:



$$\Rightarrow \frac{500 \text{ milliosmoles}}{1,000 \text{ ml}} \quad \text{HYPERTONIC}$$

$$\textcircled{3} \quad 200 \text{ mM LiCl} \equiv \frac{200 \text{ millimoles LiCl}}{1,000 \text{ ml}}$$

since:



$$\Rightarrow \frac{400 \text{ milliosmoles}}{1,000 \text{ ml}} \quad \text{HYPERTONIC}$$