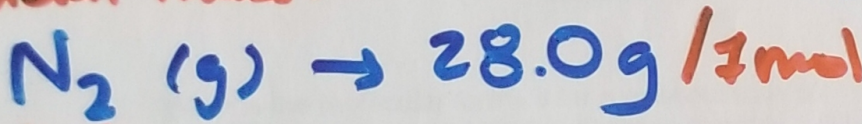
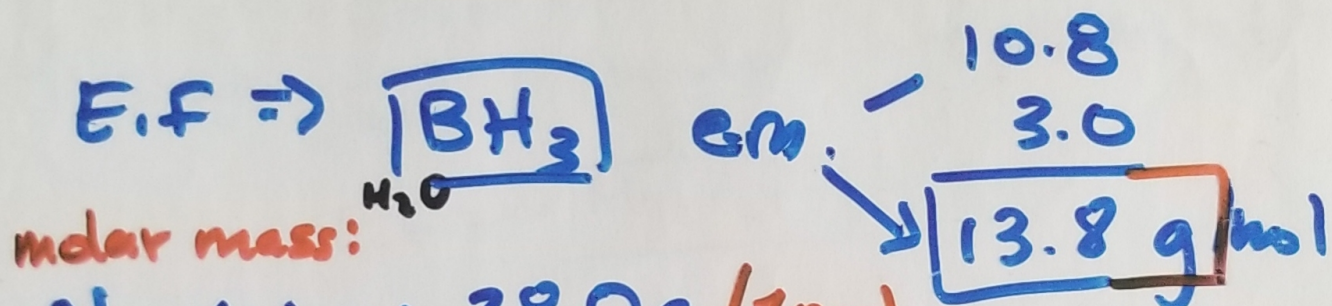


#7.

$$78.3 \text{ g B}_x \times \frac{1 \text{ mol}}{10.8 \text{ g}} = 7.25 \text{ mol B} \div 7.25 = 1 \text{ mol}$$

$$21.7 \text{ g H}_x \times \frac{1 \text{ mol}}{1.0 \text{ g}} = 21.7 \text{ mol H} \div 7.25 \approx 3 \text{ mol H}$$



$$\underline{0.986} \times 28.0 \text{ g} = \underline{\text{m.m. } 27.6 \text{ g/mol}}$$

$$\text{"N"} = \frac{\text{m.m.}}{\text{e.m.}} \rightarrow \frac{27.6}{13.8} = \textcircled{2}$$

$$\text{M.F.} = \text{"N"} \times \text{E.F.}$$

$$= \textcircled{2} \times \text{BH}_3$$

