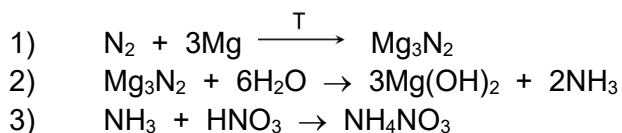


Zadanie 1.1



$$pV = nRT$$

$$0,407 \text{ mol N}_2$$

$$0,265 \text{ mol Mg}_3\text{N}_2 \text{ (W=65\%)}$$

$$0,424 \text{ mol NH}_3 \text{ (W=80\%)}$$

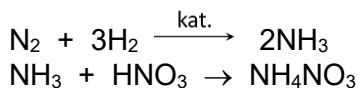
$$0,382 \text{ mol NH}_4\text{NO}_3 \text{ (W=90\%)}$$

30,6 g

Zadanie 1.2

$$W = 46,8\%$$

Zadanie 1.3



$$V = nRT / p$$

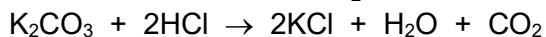
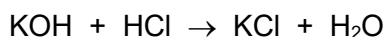
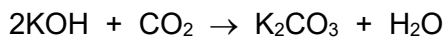
$$1,18 \text{ mol N}_2$$

29 dm³

Zadanie 1.4

$$W = 52\%$$

Zadanie 2



$$4,50 \text{ g} - 100\%$$

$$0,56 \text{ g} \Rightarrow \mathbf{12,4\% K_2CO_3}$$

$$3,72 \text{ g} \Rightarrow \mathbf{82,7\% KOH}$$

$$0,22 \text{ g} \Rightarrow \mathbf{4,9\% H_2O}$$