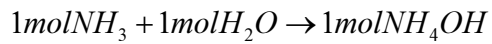
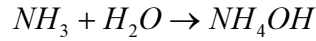


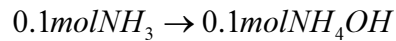
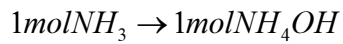
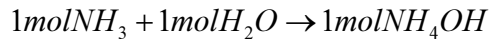
492. Odrediti procentni sadržaj (maseni udeo) amonijum-hidroksida u rasvoru dobijenim "rastvaranjem" 2,24 litara amonijaka (merenog pri normalnim uslovima) u 300 mililitara vode.



$$1molNH_3 \rightarrow 22.4dm^3$$

$$xmolNH_3 \rightarrow 2.24dm^3$$

$$x = 0.1molNH_3$$



$$n(NH_4OH) = 0.1molNH_4OH$$

$$M(NH_4OH) = 35 \frac{g}{mol}$$

$$m(NH_4OH) = 3,5 g$$

$$m(H_2O) = 300 g$$

$$m(rastvora) = 303.5 g$$

$$\omega = \frac{m(NH_4OH)}{m(rastvora)} \cdot 100\%$$

$$\omega = \frac{3.5 g}{303.5 g} \cdot 100\%$$

$$\omega = 1.16\%$$
