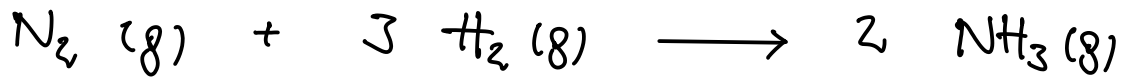
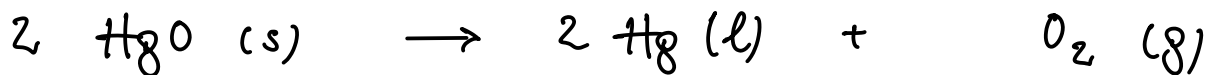


# Übungsblatt ①

1) (Di-)Stickstoff + (Di-)Wasserstoff  $\longrightarrow$  Ammoniak



2) Quecksilber (II)-oxid  $\longrightarrow$  Quecksilber + (Di-)Sauerstoff

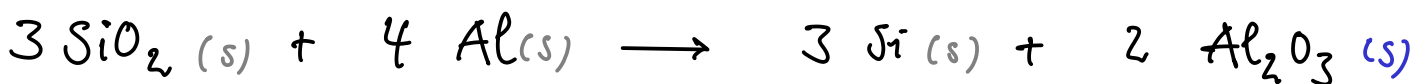


m 100 g

n 0,46 mol  $\longrightarrow$  0,23 mol

V 5,54 l

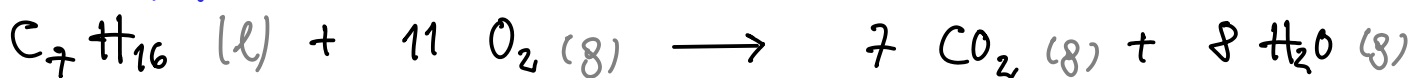
3) Quarzsand + Aluminium  $\longrightarrow$  Silicium + Aluminiumoxid



m 2139,4 g  $\longleftarrow$  1000 g

n 35,6 mol  $\longleftarrow$  35,6 mol

4) M = 100,2  $\frac{\text{g}}{\text{mol}}$



m 700 g

n ca. 7 mol  $\longrightarrow$  48,9 mol

V 1173,65 l