

Chem 2 AP Homework #13-1: Problems pg 575 #7-12

7 (a) $\text{Rate}_{\text{NO}_2} = 0.066 \text{ M/s} = 0.066 \text{ mol L}^{-1} \text{ s}^{-1}$

(b) $\text{Rate}_{\text{O}_2} = -0.033 \text{ M/s} = -0.033 \text{ mol L}^{-1} \text{ s}^{-1}$

8 (a) $\text{Rate}_{\text{NH}_3} = 0.049 \text{ M/s} = 0.049 \text{ mol L}^{-1} \text{ s}^{-1}$

(b) $\text{Rate}_{\text{N}_2} = -0.025 \text{ M/s} = -0.025 \text{ mol L}^{-1} \text{ s}^{-1}$