Reaction Rates

The reaction rate for the following was 0.03 M/s

$$N_2O_5 \rightarrow 2NO_2 + \frac{1}{2}O_2$$

What is the rate of change for each component?

Rates for individual reactants

The reaction rate for the following was 0.03 M/s

$$N_2O_5 \rightarrow 2NO_2 + \frac{1}{2}O_2$$

What is the rate of change for each component?

$$d[N_2O_5]/dt = -0.03 \text{ M/s}$$

 $d[NO_2]/dt = 0.06 \text{ M/s}$
 $d[O_2]/dt = 0.015 \text{ M/s}$