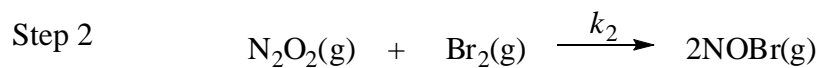
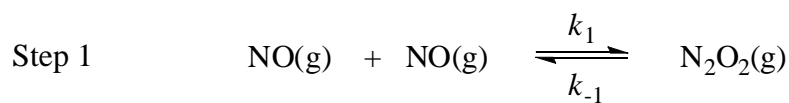


- A proposed kinetic model for the reaction of NO(g) with Br<sub>2</sub>(g) to form NOBr(g) is as follows.



If Step 2 is assumed to be very slow compared to the equilibrium of Step 1, derive the overall rate equation you would expect to see for this mechanism.