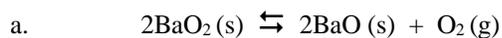
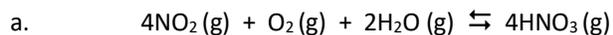


"TRY YOURSELF" PROBLEM FROM STUDY SECTION 7.2

Try Yourself 7.2 a

Write an equilibrium constant expression for each chemical equation.



Try Yourself 7.2 b

A 4.00 L flask is filled with 0.75 mol SO_3 , 2.50 mol SO_2 and 1.30 mol O_2 , and allowed to reach equilibrium according to:



Calculate the reaction quotient Q and deduce in which direction the reaction above will proceed to reach equilibrium at the reaction conditions concerned if $K_c = 12 \text{ mol/L}$ at 25°C .