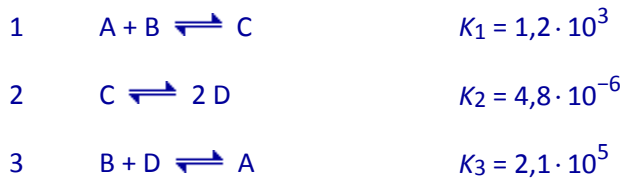


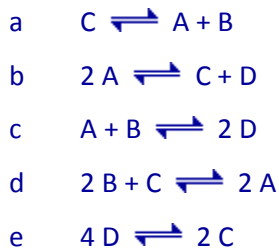
Chemisch evenwicht



#1



Bereken K voor volgende chemische evenwichten:



Oplossing



$$K_a = \frac{1}{K_1} = \frac{1}{1,2 \cdot 10^3} = 8,3 \cdot 10^{-2}$$



$$K_b = \frac{K_1}{K_3} = \frac{1,2 \cdot 10^3}{2,1 \cdot 10^5} = 5,7 \cdot 10^{-3}$$



$$K_c = K_1 \times K_2 = 1,2 \cdot 10^3 \times 4,8 \cdot 10^{-6} = 5,8 \cdot 10^{-3}$$



$$K_d = K_2 \times K_3^2 = 4,8 \cdot 10^{-6} \times (2,1 \cdot 10^5)^2 = 2,1 \cdot 10^{-15}$$



$$K_e = \frac{1}{K_2^2} = \frac{1}{(4,8 \cdot 10^{-6})^2} = 4,3 \cdot 10^{10}$$