1. The decomposition of hydrogen peroxide in a closed system is represented by the equation below.

$$2 \ H_2O_2(aq) \ \rightleftharpoons \ 2 \ H_2O(\ell) \ + \ O_2(g) \qquad \Delta H < 0$$

Which one of the following will increase the equilibrium yield of oxygen?

(a) decreasing the concentration of hydrogen peroxide
(b) increasing the total pressure of the system
(c) decreasing the temperature of the system
(d) adding an inert gas to the system