



Clicker Question

Consider the reaction: $\text{N}_2(g) + 3\text{H}_2(g) \rightleftharpoons 2\text{NH}_3(g)$

At a certain temperature, you initially react $5.0M \text{N}_2(g)$ and $12M \text{H}_2(g)$ and at equilibrium $[\text{NH}_3] = 6.0M$. Determine the value for K at this temperature.

- a) 0.0083
- b) 0.10
- c) 0.67
- d) 1.0
- e) I don't know.