



Clicker Question

Consider the reaction: $\text{H}_2\text{O}(g) + \text{CO}(g) \rightleftharpoons \text{H}_2(g) + \text{CO}_2(g)$

At a given temperature, $K = 25$. If you initially start with $12\text{ M H}_2\text{O}(g)$ and $12\text{ M CO}(g)$ determine the concentration of $\text{CO}_2(g)$ at equilibrium.

- a) 10 M
- b) 12 M
- c) 24 M
- d) 25 M
- e) I don't know.