



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 $3.0M \text{H}_2\text{O}(g)$, $14M \text{CO}(g)$, $42M \text{H}_2(g)$, and $52M \text{CO}_2(g)$ determine the concentration of $\text{H}_2\text{O}(g)$ at equilibrium.

- a) 1 M
- b) 2 M
- c) 5 M
- d) 6 M
- e) I don't know.