QUEBEC CHEMISTRY, SECONDARY V · UNIT D · 5 QUESTIONS

Chemical Equilibrium — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **At equilibrium a reaction A plus B gives C plus D has concentrations A 1.0, B 0.5, C 1.0, D 1.0 moles per litre. The equilibrium constant Kc is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **At equilibrium a reaction A gives 2 B has concentrations A 0.8 and B 0.4 moles per litre. The equilibrium constant Kc is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **For the Haber process 1 mole of nitrogen reacts with 3 moles of hydrogen to make 2 moles of ammonia. With 2 moles of nitrogen, hydrogen needed, in moles, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A stainless steel pressure cooker on a gas stove burner. For the reaction N_2 plus 3 H_2 gives 2 NH_3, increasing pressure favours the**



A reactants

B catalyst

C solids

D products

Understand It with Pulse | Flag a mistake

5 **At equilibrium a reaction A plus B gives C plus D has concentrations A 0.5, B 0.2, C 0.5, D 0.4 moles per litre. The equilibrium constant Kc is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 2
2. 0.2
3. 6
4. D
5. 2

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