SASKATCHEWAN CHEMISTRY 30 · UNIT C · 5 QUESTIONS

Chemical Equilibrium and Solubility — Practice Test

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1 **Colourful spinner wheel is divided into four equal sections. At equilibrium, the concentration of a product is 2.4 moles per litre and of a reactant is 0.8 moles per litre for a reaction with equal coefficients. The equilibrium constant is _____**



ANSWER

Understand It with Pulse | Flag a mistake

2 **Adding sodium chloride to a saturated silver chloride solution lowers the solubility of the silver chloride. This phenomenon is called the**

A common ion effect

B equilibrium constant

C Le Chatelier principle

D solubility

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3 **At equilibrium, the concentration of a product is 0.7 moles per litre and of a reactant is 0.35 moles per litre for a reaction with equal coefficients. The equilibrium constant is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **At equilibrium, the concentration of a product is 1.8 moles per litre and of a reactant is 0.9 moles per litre for a reaction with equal coefficients. The equilibrium constant is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **At equilibrium, the concentration of a product is 0.4 moles per litre and of a reactant is 0.2 moles per litre for a reaction with equal coefficients. The equilibrium constant is ____**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 3
2. A
3. 2
4. 2
5. 2

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