

Quiz 1: Equilibria, Solids & Gases

Multiple Choice

Answer the lower of the choices that best completes the statement or answers the question.

CONTENT REVIEW

- _____ 1. Chemical equilibrium exists when
- the processes cease.
 - the driving forward processes cease.
 - the opposing processes occur at different rates.
 - the opposing processes occur at the same rate.
- _____ 2. Any chemical reaction in which the products are represented by brackets is called a(n)
- double-replacement reaction.
 - single-replacement reaction.
 - reversible reaction.
 - precipitation reaction.
- _____ 3. What symbol is used to indicate a reversible reaction?
- $\rightleftharpoons$
 - $\rightleftharpoons$
 - $\rightleftharpoons$
 - $\rightleftharpoons$
- _____ 4. What is the general relationship between the concentrations and the rate of a forward reaction?
- Rate is greater when product concentration is greater.
 - Rate is greater when reactant concentration is greater.
 - Rate is greater when catalyst concentration is lower.
 - No relationship exists between concentrations and rate.
- _____ 5. What symbol is used to denote concentration?
- $[]$
 - $()$
 - $\{ \}$
 - $\%$
- _____ 6. At chemical equilibrium, which of the following is always true of the concentrations of reactants and products?
- They are constant.
 - They are equal.
 - Reactant concentration is zero.
 - Product concentration is zero.
- _____ 7. What is the equilibrium constant for the general equation $aA + bB \rightleftharpoons cC + dD$?
- $\frac{[A]^a[B]^b}{[C]^c[D]^d}$
 - $\frac{[C]^c[D]^d}{[A]^a[B]^b}$
 - $\frac{[C]^c[D]^d}{[A]^a[B]^b}$
 - $\frac{[C]^c[D]^d}{[A]^a[B]^b}$
- _____ 8. The symbol for the equilibrium constant is
- K_c
 - K_p
 - K_{eq}
 - Q
- _____ 9. The principle that relates changes in pressure on equilibrium systems to equilibrium position is
- Boyle's law.
 - Le Chatelier's principle.
 - the law of chemical equilibrium.
 - Avogadro's principle.
- _____ 10. If a change in conditions is imposed on a system at equilibrium, the equilibrium position will always

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Minjie Lin



Quiz Equilibrium Acids Amp Bases Chapman University:

Quiz Equilibrium Acids Amp Bases Chapman University Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Quiz Equilibrium Acids Amp Bases Chapman University**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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