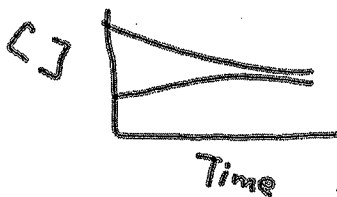


Equilibrium Test Outline

1. What is equilibrium?

- closed system
- reversible
- balance
- dynamic

2.



3. K_{eq}

$$K_{eq} = \frac{[\text{products}]}{[\text{reactants}]}$$

← approximately

K_{eq} - mass action expression



> 1

means more products (^{less} react)

< 1

" fewer products (more reactant)

4. Le Chatelier's Principle -

- Stress (3) not catalyst
- Shift
- consequences

5. K_{sp} - write expression -

* $K_{sp} \rightarrow$ solub. []

* solub $\rightarrow K_{sp}$

} ICE chart

6. Common ion effect - explain

- find solub.