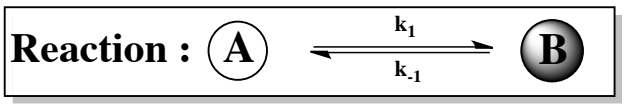
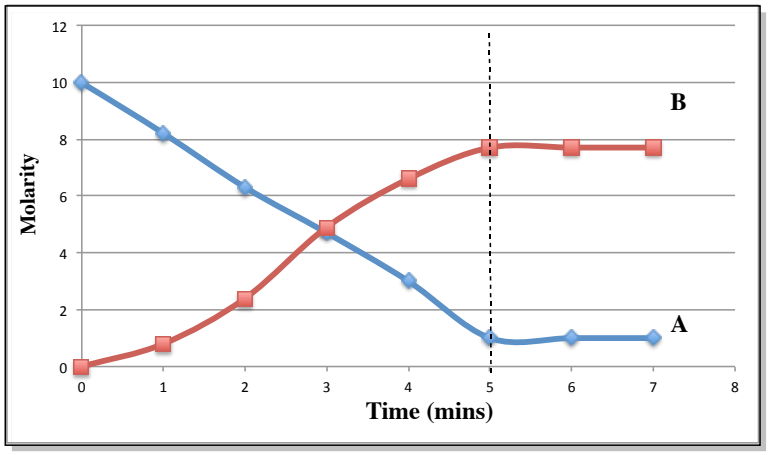
CONCEPT: CHEMICAL EQUILIBRIUM

Most chemical reactions do not go to ***completion***.

- _____ do not completely convert into _____ and reactant concentrations do not go down to _____.
- Instead, these reactions reach a state of ***chemical equilibrium***, in which the reaction moves in the forward and reverse direction.

These reactions are also called _____ reactions and are represented by using a double arrow.





PRACTICE: Which one of the following statements does not describe the equilibrium state?

a. While at equilibrium, a dynamic process is still occurring.

b. The concentration of the reactants is equal to the concentration of the products.

c. The concentration of the reactants and products reach a constant level.

d. At equilibrium, the net concentration of all species is not changing.

e. All are true.