

**Section 16.1** *continued*

For each item in Column A, write the letter of the matching item in Column B.

**Column A**

\_\_\_\_\_ 10. Expresses the average rate of loss of a reactant

\_\_\_\_\_ 11. Expressed as  $\Delta$ quantity/ $\Delta$ time

\_\_\_\_\_ 12. Expresses the average rate of formation of a product

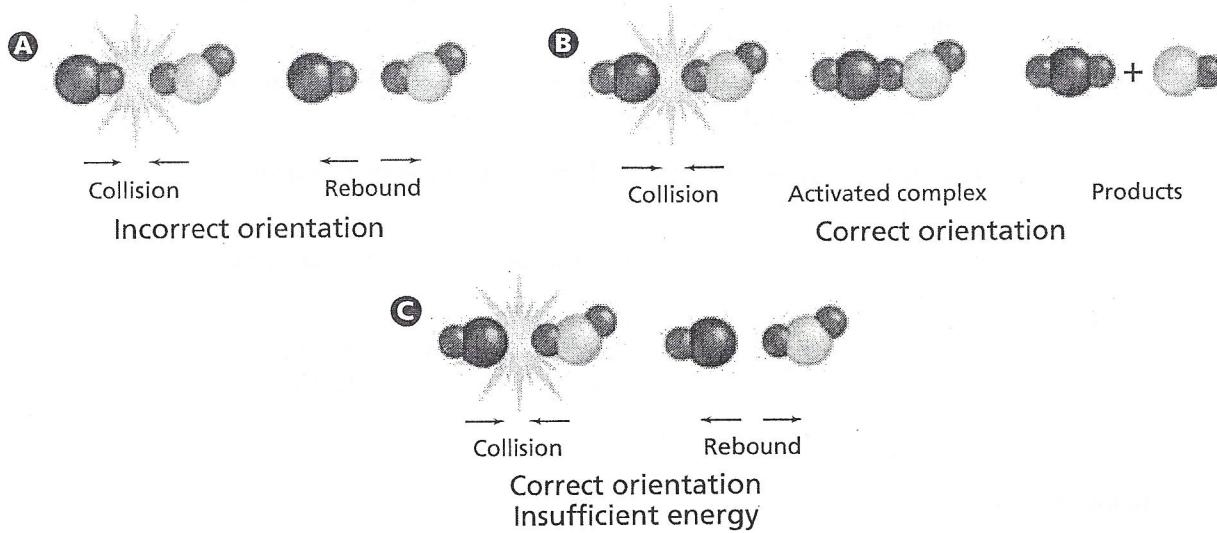
**Column B**

a. average reaction rate

b. positive number

c. negative number

Use the figure below to answer the following questions.



13. What molecules collided in collisions A, B, and C? \_\_\_\_\_

14. What do the arrows represent?  
\_\_\_\_\_  
\_\_\_\_\_

15. Which collision(s) formed products? What were the products? \_\_\_\_\_

16. Explain why the other collision(s) did not form products.  
\_\_\_\_\_  
\_\_\_\_\_17. Which collision(s) formed an activated complex? Identify the activated complex.  
\_\_\_\_\_