

Chemical Kinetics Questions



Here are the key answers for the fill-in-the-blank questions on **Chemical Kinetics**:

1. **Rate**
2. **Concentration**
3. **Reactant, Product**
4. **Concentration**
5. **Independent**
6. **Reactant**
7. **Half**
8. $[A] = [A]_0 - kt$
9. $\text{mol L}^{-1} \text{s}^{-1}$
10. $\ln[A] = \ln[A]_0 - kt$
11. **Independent**
12. **Molecules**
13. **Rate law**
14. **Two**
15. **Increases**
16. **Activation energy**
17. **Frequency factor**
18. $-E_a/R$
19. **Elementary**
20. **Activation energy**
21. **Transition**
22. **Sufficient kinetic**
23. **Mechanism**
24. **Products**
25. **Frequency**
26. **L/mol/s**
27. **Initial rate**
28. **Half-life**
29. **Concentration**
30. **Large**