



### Vocabulary

Define and know the meaning of each of the following terms.

- |                         |                          |                                 |                            |                              |
|-------------------------|--------------------------|---------------------------------|----------------------------|------------------------------|
| 1. activated complex    | 8. effective collision   | 15. Gibb's free energy          | 20. mass-action expression | 26. reversible reaction      |
| 2. activation energy    | 9. endothermic           | 16. heat of formation           | 21. randomness             | 27. spontaneous reaction     |
| 3. catalyst             | 10. enthalpy             | 17. heat of reaction            | 22. rate determining step  | 28. stress                   |
| 4. chemical equilibrium | 11. entropy              | 18. law of chemical equilibrium | 23. reaction coordinate    | 29. surface area             |
| 5. collision theory     | 12. equilibrium constant | 19. Le Chatelier's principle    | 24. reaction mechanism     | 30. transition state complex |
| 6. concentration        | 13. exothermic           |                                 | 25. reaction rate          | 31. transition theory        |
| 7. dynamic equilibrium  | 14. equilibrium shift    |                                 |                            |                              |

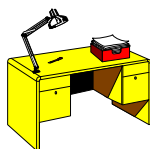


### Reading and Study

#### ASSIGNMENT

#### SECTIONS

Chapter #22	22.2-22.3
Chapter #23	23.3-23.4
Chapter #16	16.1-16.3



### Homework Reading and Questions

READING		QUESTIONS / PAGE
HW#47	Read p. 732-736	Q1 p. 737
HW#48		Q2-3 p. 737
HW#49	Read p. 753-755	Q1-3 p. 755
HW#50	Read p. 756-760	Q1-4 p. 760
HW#51	Read p. 761-765	Q1-3 p. 765
HW#52	Read p. 738-743	Q1-2 p. 743
HW#53	Read p. 535-540	Q1-4 p. 545
HW#54	Read p. 548-555	Q1-3 p. 555
HW#55	Read p. 541-547	Q1-2,4 p. 547