



### Vocabulary

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

- |                                |                            |                           |                              |                         |
|--------------------------------|----------------------------|---------------------------|------------------------------|-------------------------|
| 1. alpha particles             | 8. Bohr model              | 16. energy level          | 24. nucleon                  | 31. quantum             |
| 2. alpha scattering experiment | 9. bright-line spectrum    | 17. excited state         | 25. nucleus                  | 32. relative mass       |
| 3. atomic mass unit            | 10. cathode ray            | 18. ground state          | 26. orbital                  | 33. subatomic particles |
| 4. atomic number               | 11. continuous spectrum    | 19. isotope               | 27. orbital model            | 34. valence shell       |
| 5. atomic mass                 | 12. Dalton's postulates    | 20. kernel                | 28. orbital pair             | 35. valence electrons   |
| 6. average atomic mass         | 13. electron               | 21. mass number           | 29. principal quantum number |                         |
| 7. Bohr diagram                | 14. electron configuration | 22. natural radioactivity | 30. proton                   |                         |
|                                | 15. electron dot diagram   | 23. neutron               |                              |                         |



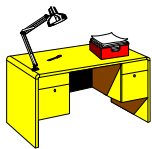
### Reading and Study

#### ASSIGNMENT

#### SECTIONS

Chapter # 3  
Chapter # 5

3.3-3.6  
5.3-5.4



### Homework Reading and Questions

| READING                      | REVIEW QUESTIONS/PAGE |
|------------------------------|-----------------------|
| HW#10 Read Sec. 3.3 p. 77-81 | Q 9-10, 12 p. 94      |
| HW#11 Read Sec. 3.4          | Q 18-20, p. 95        |
| HW#12 Read Sec. 3.5          | Q 23-25, p. 95        |
| HW#13 Read Sec. 5.3-5.4      | Q 10,14-15, p. 166-7  |
| HW#14 Read Sec. 5.3-5.4      | Q 16 p. 167           |
| HW#15 Read Sec. 3.6          | Q 29,32, p. 95        |