



## Vocabulary

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

- |                                |                            |                           |                              |                            |
|--------------------------------|----------------------------|---------------------------|------------------------------|----------------------------|
| 1. alpha particles             | 8. Bohr model              | 16. energy level          | 24. nucleon                  | 31. proton                 |
| 2. alpha scattering experiment | 9. bright-line spectrum    | 17. excited state         | 25. nucleus                  | 32. quantum number         |
| 3. atomic mass unit            | 10. cathode ray            | 18. ground state          | 26. orbital                  | 33. relative mass          |
| 4. atomic number               | 11. continuous spectrum    | 19. isotope               | 27. orbital configuration    | 34. subatomic particles    |
| 5. atomic mass                 | 12. Dalton's postulates    | 20. kernel                | 28. orbital model            | 35. sublevel               |
| 6. average atomic mass         | 13. electron               | 21. mass number           | 29. orbital pair             | 36. sublevel configuration |
| 7. Bohr diagram                | 14. electron configuration | 22. natural radioactivity | 30. principal quantum number | 37. valence shell          |
|                                | 15. electron dot diagram   | 23. neutron               |                              | 38. valence electrons      |



## Reading and Study

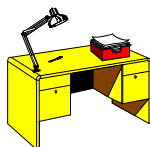
**ASSIGNMENT****SECTIONS**

Chapter # 3

3.1-3.3

Chapter # 4

4.1-4.3



## Homework Reading and Questions

Write down the due date when the homework is assigned. Place a check in the check box when you hand it in.

| ✓                        | READING                | QUESTIONS/PAGE                                                  | DUE DATE |
|--------------------------|------------------------|-----------------------------------------------------------------|----------|
| <input type="checkbox"/> | HW#10 Read p. 65-74;   | Answer question 2 on p. 69 and questions 4-5 on p. 87           | _____    |
| <input type="checkbox"/> | HW#11 Read p. 91-97;   | Answer questions 1 and 5 on p. 97                               | _____    |
| <input type="checkbox"/> | HW#12 Read p. 98-100;  | Answer questions 7-10 on p. 118                                 | _____    |
| <input type="checkbox"/> | HW#13 Read p. 105-116; | Answer questions 4 on p. 116, and questions 18-20 on p. 118-119 | _____    |
| <input type="checkbox"/> | HW#14 Read p. 73-78;   | Answer questions 2-3 on p. 85, and questions 6-7 on p. 87       | _____    |
| <input type="checkbox"/> | HW#15 Read p. 78-80;   | Answer questions 19-20 on p. 87-88                              | _____    |