Chemistry: *Vocabulary – Introduction to Chemistry*

*Directions:* Define each of the following terms. For some of the terms, you may need to consult sources other than your textbook, such as a dictionary or encyclopedia.

1. **accuracy**

2. **alchemy**

3. **applied science (technology)**

4. **chemical**

5. **controlled experiment**

6. **hypothesis**

7. **inorganic compound**

8. **Law of Conservation of Mass**

9. **Material Safety Data Sheet**

10. **organic compound**

11. **precision**
12. *pure science (science)*

13. *scientific law*

14. *scientific method*

15. *scientific theory*

16. *SI system*

17. *synthesis*

18. *system*

19. *transmutation*

20. *variable*
Chemistry: Vocabulary – Matter and Energy

Directions: Define each of the following terms. For some of the terms, you may need to consult sources other than your textbook, such as a dictionary or encyclopedia.

1. allotropes
2. atom
3. Avogadro’s number
4. chemical properties
5. chromatography
6. compound
7. density
8. distillation
9. element
10. endothermic change
11. energy
12. exothermic change
13. extensive properties
14. freezing

15. intensive properties

16. kinetic energy

17. Law of Conservation of Energy

18. mass

19. matter

20. melting

21. mixture

22. mole

23. molecule

24. physical properties

25. potential energy

26. pure substance (substance)

27. state of matter

28. volume
Chemistry: Vocabulary – Atomic Structure

Directions: Define each of the following terms. For some of the terms, you may need to consult sources other than your textbook, such as a dictionary or encyclopedia.

1. **atomic mass (average atomic mass)**

2. **atomic number**

3. **electromagnetic radiation**

4. **electromagnetic spectrum**

5. **electron configuration**

6. **energy level (principal energy level)**

7. **excited state**

8. **frequency**

9. **ground state**

10. **group**

11. **Hund’s rule**
12. isotope

13. kernel electrons

14. Law of Definite Composition

15. mass number

16. nucleus

17. orbital

18. orbital diagram

19. period

20. quantum theory

21. valence electrons

22. wavelength