

Biology Chapter 3 Review Worksheet

1. ACIDS-
2. BASES-
3. pH Scale
4. IONIC BONDS
5. COVALENT BONDS
6. Chemical Formula- What does it tell ?
7. Types of nucleic acids-
8. Energy Levels-Maximum Numbers
9. Isotopes-
10. Know how to count numbers of atoms- ex.- H_2O 5 $\text{C}_6\text{H}_{12}\text{O}_6$
11. Potential Energy-
12. Kinetic Energy –
13. Compound-
14. Building Blocks of : Carbohydrates
Lipids
Proteins
15. Coenzymes-Function
16. Electron Cloud-
17. Enzymes – Function
18. Activation Energy
19. Substrate-
20. Describe the “Lock and Key” hypothesis-
21. Hydrolysis Reaction- What happens?
22. Condensation Reactions- What happens ?
23. What are enzymes made of ?
24. How is the modern induced fit model of enzymes different from the lock and key model?