Ch 2 Vocab Review: answer Key

1. Nucleus
2. Element
3. Compound
4. Covalent/ionic
5. Van der Waals forces
6. Sodium atom has equal amounts of protons and electrons so no charge overall; a positive sodium ion is missing an electron and so it has an overall positive charge of +1
7. Cohesion is the attraction of “like” molecules (water to water); adhesion is the attraction of different molecules (water to glass)
8. Water dissolves the salt so water is the solvent and salt is the solute
9. Acids have more hydrogen ions than hydroxide ions and a pH less than 7; bases have more hydroxide ions than hydrogen ions and a pH greater than 7
10. Catalysts bond to substrates (reactants) and speed up the chemical rxn by lowering the activation energy
11. C
12. E
13. G
14. A
15. B
16. H
17. D
18. F
19. I
20. Nucleotide
21. Amino acid
22. Reactants
23. Activation energy
24. product