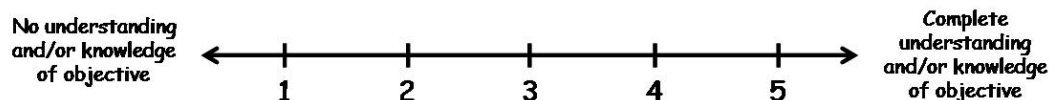


Name: \_\_\_\_\_

Section: \_\_\_\_\_

*Self Assessment - Chemical Bonds and Reactions*

Directions: Consider each of the following objectives and use the rating scale below to rate yourself based on how well you think you understand or can explain the objective.



Objective	Pre-Lesson Rating	Post-Lesson Rating
1. Describe valence electrons and identify their significance when it comes to chemical bonding and reactions.		
2. Describe the "tricks" to using the periodic table to determine the number of valence electrons.		
3. Explain the Octet Rule.		
4. Describe Lewis Structures (electron dot diagrams) and how they are used.		
5. Distinguish between the different types of chemical bonds (ionic, covalent, metallic).		
6. Describe the results of bonding - compounds & molecules.		
7. Explain chemical reactions, what affects them, and the different types (exothermic & endothermic).		
8. Differentiate between the physical and chemical properties of matter		
9. Identify examples of physical and chemical changes.		
10. Identify chemical equations and their components.		
11. Describe the laws that relate to chemical reactions - Law of Conservation of Mass/Matter & Law of Conservation of Energy.		

