**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr. \_\_\_\_\_\_\_**

**Chapter 2.2 Part 2 NOTES Bonding and Chemical Reactions**

**2.2 Part 2: Interactions of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**IV. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and Bonding**

1. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is composed of \_\_\_\_\_\_\_\_\_\_\_ of different \_\_\_\_\_\_\_\_\_\_\_\_ chemically combined.**
2. **\_\_\_\_\_\_\_\_\_\_ combine with other \_\_\_\_\_\_\_\_\_\_ to become \_\_\_\_\_\_\_\_\_\_\_\_ Stable.**
3. **The \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ move about the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of both atoms.**
4. **When \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ share electrons, the \_\_\_\_\_\_\_\_\_\_ that holds them together is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
5. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a group of \_\_\_\_\_\_\_\_ held together by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ and having \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ . An example is \_\_\_\_\_\_\_\_\_\_\_\_.**
6. **An atom(or group of atoms) that \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_ electrons has an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is called an \_\_\_\_\_\_\_\_\_\_.**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ charges \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, so there is an attractive \_\_\_\_\_\_\_\_\_\_ between two \_\_\_\_\_\_ of opposite charge called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.**

**V. Chemical Reactions**

**A. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occur when bonds are \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_. Reactions in organisms are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**B. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: in a chemical reaction, \_\_\_\_\_\_\_\_\_\_\_ are neither \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CH4  + 2O2 ----- > CO2**  + **2H2O**

**C = \_\_ C = \_\_**

**H = \_\_ H = \_\_**

**O = \_\_ O = \_\_**