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

**Section 2-3 Life Substances**

**Carbohydrates**

1. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is composed of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, & \_\_\_\_\_\_\_\_\_\_\_\_\_.**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a \_\_\_\_\_\_\_\_\_\_\_\_ sugar.**
3. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is formed when when \_\_\_\_\_\_\_ simple sugars are \_\_\_\_\_\_\_\_\_\_\_\_ together.**
4. **Polysaccharides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_ simple \_\_\_\_\_\_\_\_\_\_\_\_\_ subunits.**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is sugar \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in plants.**
6. **Animals store \_\_\_\_\_\_\_\_\_\_\_\_\_\_ as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Fiber) is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that forms the \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ of Plants.**

**Lipids(Fats)**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_ compounds that have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number of \_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ Bonds and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than carbohydrates.**

**Six Functions of Lipids:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ term \_\_\_\_\_\_\_\_\_\_\_\_\_ storage**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ against \_\_\_\_\_\_\_\_\_\_\_ loss(insulation)**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ against physical \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **Protection against \_\_\_\_\_\_\_\_\_\_\_\_ loss**
5. **Chemical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (hormones)**
6. **Major \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(phospholipids)**

**Proteins:**

1. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ molecule, composed of \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & sometimes Sulfur.**
2. **\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ blocks of proteins.**
3. **A \_\_\_\_\_\_\_\_\_\_\_ bond is formed between \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**
4. **An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ a chemical reaction.**

**Six Functions of Proteins:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: albumin (egg white)**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: hemoglobin**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: muscles**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: membranes, hair, nails**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: cellular reactions**

**Nucleic Acids:**

1. **A \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ stores \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the form of a \_\_\_\_\_\_\_\_\_\_.**
2. **Made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. **\_\_\_\_\_\_\_\_\_\_\_ is the \_\_\_\_\_\_\_\_\_\_\_\_\_ copy of an organism’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. **\_\_\_\_\_\_\_\_\_ is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ making.**