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| **Cornell Notes** | **Topic/Objective: Molecules**  | **Name:** |
|  | **Class/Period:** |
|  | **Date:** |
| **Essential Question: Identify that larger molecules are broken down into smaller molecules.**  |
|  |
| **Questions:** | **Notes:**A group of \_\_\_\_\_\_\_\_\_\_ or more \_\_\_\_\_\_\_\_\_\_Made from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_types of atomsCan be made of \_\_\_\_\_\_\_\_\_\_\_\_\_ types or atoms or of the \_\_\_\_\_\_\_\_\_\_\_\_ type of atom |
| **Molecule VS.**  |  **Molecule**  **Compound** |
| **Compounds** |  |
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|  | * Molecules can be very \_\_\_\_\_\_\_\_\_\_\_, complex and made of many \_\_\_\_\_\_\_\_\_\_\_.
 |
| **What kind of molecules**  | * Molecules in foods are made of: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_
 |
| **are found in foods?** | * + These large molecules must be broken down into \_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
|  |  molecules to pass from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tract and into the  |
|  |  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to get to the cells all over your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |
| **What are enzymes?** | * Odors from foods and \_\_\_\_\_\_\_\_\_\_\_\_\_ can simulate the production of \_\_\_\_\_\_\_\_\_\_\_\_
 |
|  | * + Saliva comes from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ that surround your mouth
 |
|  | DEFINITION: biological \_\_\_\_\_\_\_\_\_\_\_\_\_ that help speed up chemical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in  |
|  |  the body. |
| **What is a carbohydrate?** | * Large molecules (used for quick energy) that are broken down into \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_
 |
|  | * + Types of carbohydrates: \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| **Digestion of** | * Digested in the mouth, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and small \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| **carbohydrates** | * + Requires certain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to be present
 |
|  | * Starches that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ be broken down in mouth go to the
 |
|  |  intestine for other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to break it down. |
|  |  |
| **What is a protein?** | * Large molecules (used to build body parts, organelles and body defense) that are
 |
|  |  broken down into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * Protein parts of cell are constantly being \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ so the body is
 |
|  |  continuously working to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ them |
| **Questions:** | **Notes:** |
| **Digestion of proteins** | * Enzymes are used, but also the \_\_\_\_\_\_\_\_\_\_ found in the stomach are need to break
 |
|  |  down proteins into \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | * In the upper part off the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the amino acids are
 |
|  |  absorbed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, carried through the \_\_\_\_\_\_\_\_\_\_\_\_ and into the  |
|  |  bloodstream. |
| **What is a lipid (fat)?** | * Large molecules (used and stored as a long term energy source) that are
 |
|  |  broken down into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * Highly concentrated source of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in our daily diets
 |
|  |  |
|  | * Fats are \_\_\_\_\_\_\_\_easily broken down by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, because they do not dissolve in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
 |
| **Digestion of lipids** | * Almost no \_\_\_\_\_\_\_ break down of \_\_\_\_\_\_\_\_\_ occurs until the \_\_\_\_\_\_\_\_\_\_ intestine.
 |
|  | * + They enter the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stuck together in a
 |
|  |  \_\_\_\_\_\_\_\_ – enzymes cannot attack to \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | * \_\_\_\_\_\_\_\_\_\_\_(made by the liver, but stored in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) is used
 |
|  |  To \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the fat molecules into tiny \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
|  | * + The separation make it easier for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to begin breaking
 |
|  |  down the \_\_\_\_\_\_\_\_\_\_\_\_ |
|  | * Now fats are broken down into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_, absorbed into the
 |
|  |  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and taken to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to be used or |
|  |  stored for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **What are carbohydrate,** |  Macromolecule breaks down in digestion into:Carbohydrates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Amino AcidsLipids \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **proteins and lipids** |  |
| **Broken down into?** |  |
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| **Summary (4-5 complete sentences):** |
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