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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.** | | | |
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| **Questions:** | | **Notes:**  A group of \_\_\_\_\_\_\_\_\_\_ or more \_\_\_\_\_\_\_\_\_\_  Made from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_types of atoms  Can 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
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| **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. | |
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| **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 | |
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|  | | * 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 Acids  Lipids \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **proteins and lipids** | |  | |
| **Broken down into?** | |  | |
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| **Summary (4-5 complete sentences):** | | | |
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