|  |  |
| --- | --- |
| Organic Compounds  Macromolecules  Carbohydrates  Lipids  Protein  Nucleic Acids | * \_\_\_\_\_\_\_\_\_\_\_ compounds- contain the element carbon   + Are essential to all known \_\_\_\_\_ on Earth   + make up \_\_\_\_\_\_\_\_\_\_\_\_ and carry out life processes   + Without carbon, life as we know it could \_\_\_\_\_ exist.   + carbon atoms can \_\_\_\_\_\_\_\_ a tremendous variety of very large and \_\_\_\_\_\_\_\_\_\_\_\_ molecules. * \_\_\_\_\_\_\_\_ organic molecules that are composed of \_\_\_\_\_\_\_\_\_\_ organic molecules linked together.   + There are \_\_\_\_\_ types   + Function-\_\_\_\_\_\_\_\_\_\_ source of \_\_\_\_\_\_\_\_   + Elements it contains- \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_   + Examples- \_\_\_\_\_\_\_\_, cereal, fruits, vegetables   + Functions- \_\_\_\_\_\_\_ term \_\_\_\_\_\_\_\_\_ storage ,component of cell \_\_\_\_\_\_\_\_\_\_\_\_\_   + \_\_\_\_\_\_\_\_\_\_\_\_ it contains- Carbon, Hydrogen, Oxygen   + Examples- \_\_\_\_\_\_, oils, \_\_\_\_\_\_\_\_, steroids, hormones   + A gram of lipids supplies \_\_\_\_\_\_\_ than twice as much energy as a gram of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or proteins.      * + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-main form of stored energy in animals.     - \_\_\_\_\_   + Phospholipids-major component of \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_   + \_\_\_\_\_\_\_\_\_\_\_ (or sterols)     - Important part of cell membranes     - Other vital roles in the body such as male and female sex \_\_\_\_\_\_\_\_\_\_\_\_\_\_   + Functions- provides cell \_\_\_\_\_\_\_\_\_\_\_\_, Speed up chemical reactions (\_\_\_\_\_\_\_)   + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it contains- Carbon, Hydrogen, Oxygen, Nitrogen, Sulfur   + Examples- \_\_\_\_\_\_\_\_\_\_\_, enzymes   + Proteins are made of smaller units called \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_     - There are \_\_\_\_ different common amino acids needed to make proteins.     - Humans are able to synthesize all but \_\_\_\_\_\_      * Function- Carry \_\_\_\_\_\_\_\_\_\_ information * Elements it contains- Carbon, Hydrogen, Oxygen, Nitrogen, \_\_\_\_\_\_\_\_\_\_ * Examples- \_\_\_\_\_, RNA   + Made of smaller units called \_\_\_\_\_\_\_\_\_\_\_\_\_   + \_\_\_\_\_\_\_\_\_ cells and viruses are made from these   + This is how our genetic material is passed… like a \_\_\_\_\_ \_\_\_\_\_\_! |
|  |  |