1. Why is life on earth considered carbon-based?

2. What do all organic compounds have in common?

DEFINE:
Macromolecule:

Polymer:

3. What are the four major categories of biological macromolecule?

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**CARBOHYDRATES:** 3 types
- Monosaccharide
- Disaccharide
- Polysaccharide

Fill in the following information about each type of carbohydrate.
1. **Monosaccharide:**
   - Definition
   - Formula
   - Used by body for?
   - Example

2. **Disaccharide:**
   - Definition
   - Formula
   - Used by body for?
   - Example

3. **Polysaccharide:**
   - Definition
   - Formula (we will do this together in class)

   - Used by body for?
   - Example
LIPIDS:

1. What is the difference between saturated and unsaturated fats?

2. Which are better for you and why??

PROTEINS:

1. What are the building blocks of proteins?

2. What are peptide bonds?

3. So, a polypeptide is another name for what??