

Amoeba Sisters Video Recap: Biomolecules

Directions: For each statement, write a "C" if it best applies to the carbohydrates, "L" if it best applies to lipids, "P" if it best applies to proteins, or "N" if it best applies to nucleic acids.

1. ____ I am useful for a fast source of energy.

2. ____ I have involvement in the immune system (ex: antibodies).

3. ____ I am helpful for long term energy storage.

4. ____ I have a large role in muscle development.

5. ____ If athletes "pasta load," they consume a lot of me.

6. ____ A mutation in DNA would initially start with me.

7. ____ I make up cell membranes.

8. ____ Enzymes, which can speed up reactions, belong in my category.

9. ____ I am important for insulation.

10. ____ I contain elements C, H, and O and have a ring-like structure.

11. ____ My category includes genetic material.

12. ____ I can contain long fatty acid chains.

Directions: The following table is designed to help you organize your knowledge about biomolecules. Some of the information has been filled in for you.

Biomolecule:	Makes Me Think of... (this can be original for you)	Monomer:	Elements:	Example(s):
Carbohydrate	13.	14.	C, H, O	15.
Lipid	16.	Glycerol + Fatty Acid *Note: Many do not consider lipids to have true monomers. Read why in the video description!	17.	18.
Protein	19.	20.	21.	22.
Nucleic Acid	23.	24.	25.	DNA, RNA