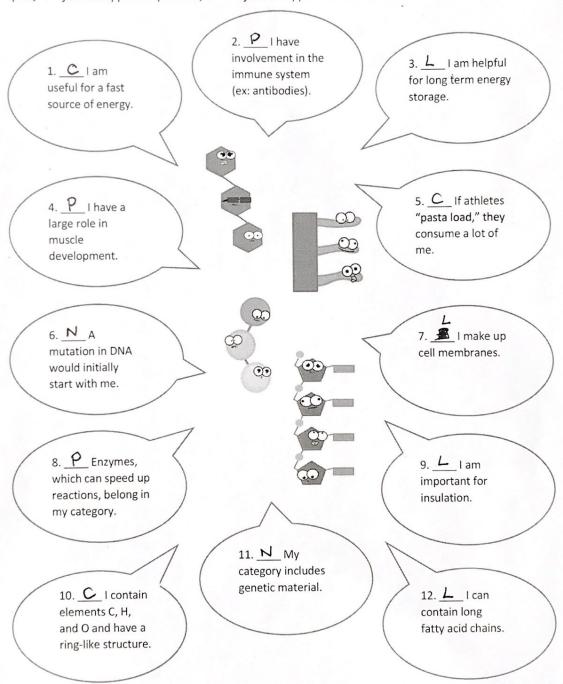## Amoeba Sisters Video Recap: *Biomolecules*

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. **C** I am useful for a fast source of energy.

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

3. **L** I am helpful for long term energy storage.

4. **P** I have a large role in muscle development.

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

6. **N** A mutation in DNA would initially start with me.

7. **L** I make up cell membranes.

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

9. **L** I am important for insulation.

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

11. **N** My category includes genetic material.

12. **L** 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. sugar sounds like saccharide	14. monosaccharide	C, H, O	15. fast energy - sugar - pasta
Lipid	16.	Glycerol + Fatty Acid *Note: Many do not consider lipids to have true monomers. Read why in the video description!	17. C, H, O	18. - fat - long term storage
Protein	19. power foods	20. amino acid	21. C, H, O, N	22. - meat - beans
Nucleic Acid	23. Nucleus	24. nucleotide	25. C, H, O, N, P	DNA, RNA