

Name: _____

Directions: Complete the table below about the Biomolecules of Life.

| Macromolecule | Elements | Building Blocks | polymer example | Importance (give at least 2-3) |
|---------------|----------|-----------------|-----------------|--|
| Carbohydrate | | | | |
| | | | | Insulation - maintain body temperature |
| | | | | |
| | CHONP | | | |

Review each statement about biomolecules and record whether it is true or false.

| T/F? | What are biomolecules? |
|------|---|
| 1. | Biomolecules are organic molecules, made from carbon |
| 2. | Proteins are energy storage for the cell |
| 3. | Biomolecules are all polymers, built from smaller monomers. |
| 4. | Biomolecules are categorized based on their structure and function. |
| 5. | Lipids, carbohydrates, and proteins all provide structural support in cells |

In the space below, REWRITE the False statements so that they would be true. For true statements, write N/A.

1.

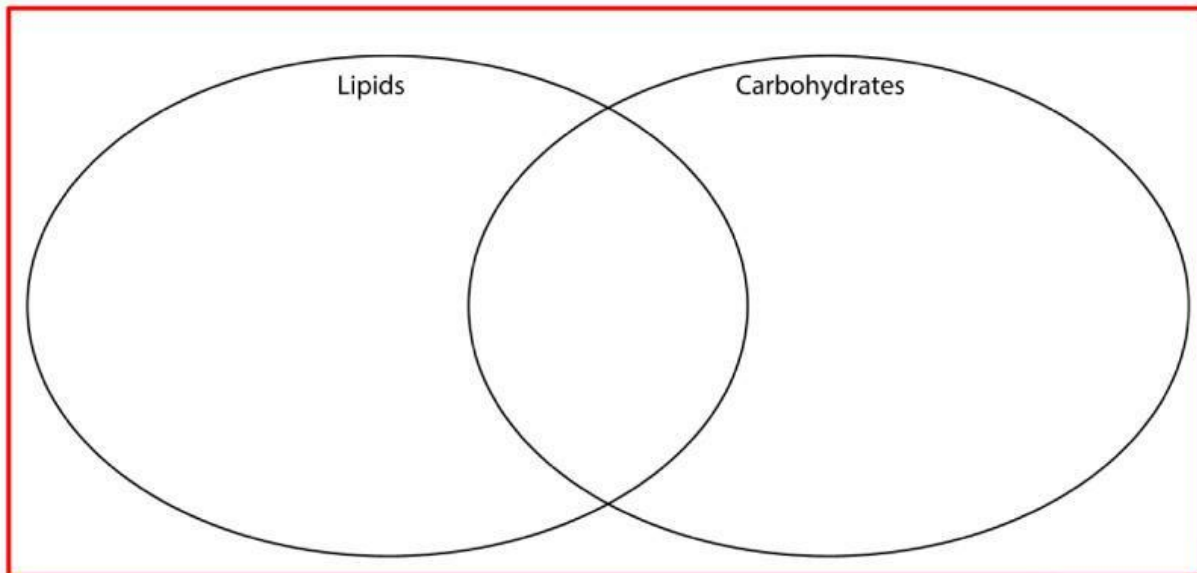
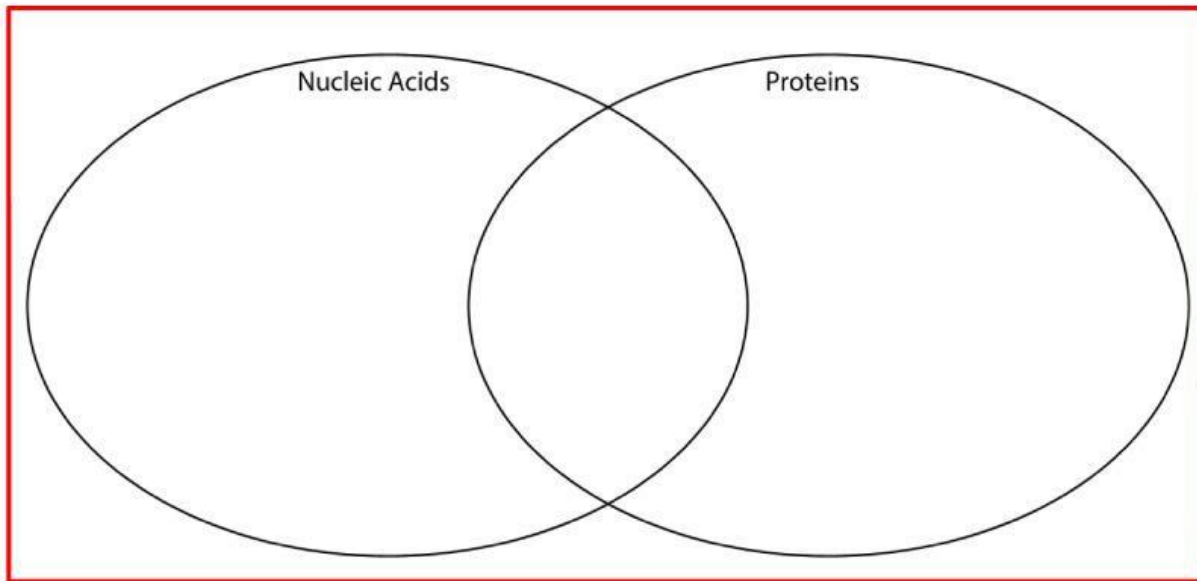
2.

3.

4.

5.

Complete the Venn diagrams using the work bank below



WORD BANK:

Provide/Store Energy

Do NOT provide Energy

Polysaccharides

Polypeptides

Monomer includes one of four nitrogenous bases

Does tissue repair, transport, and catalyze reactions

Contain Nitrogen

Provide structural support

Main component of Cell walls

Main component of Cell membrane

Contain genetic sequences for living things

Include steroids, waxes, and oils