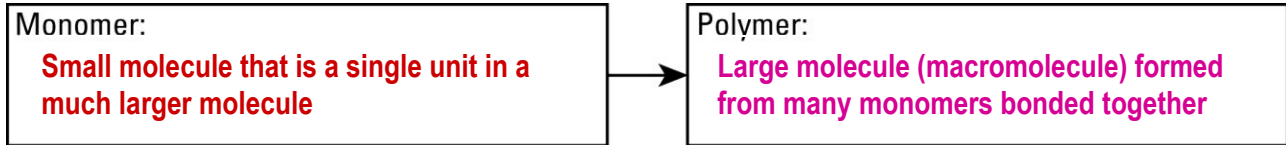
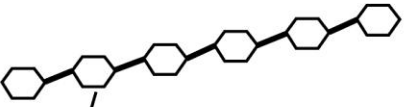

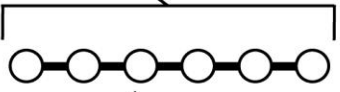


POWER NOTES 2. 3: CARBON-BASED MOLECULES



Type of Molecule	Functions	Example
<p>1. Carbohydrate Glucose - monomer of Carbohydrates</p>	<ul style="list-style-type: none"> ➤ broken down to provide a source of energy; ➤ make up plant cell walls 	<p>Polymer – cellulose</p>  <p>Monomer: Glucose</p>
<p>2. LIPID Fatty Acid - the monomer of Lipid</p>	<ul style="list-style-type: none"> ➤ broken down to provide a source of energy; ➤ make up cell membranes; ➤ used to make steroid hormones 	<p>Molecule: Phospholipid</p>  <p>Phosphate Head Nonpolar Fatty Acid Tail</p>
<p>3. PROTEIN Amino Acid - the monomer of Protein</p>	<ul style="list-style-type: none"> ➤ many, including enzymes, ➤ oxygen transport, and ➤ muscle movement 	<p>Polymer: POLYPEPTIDE</p>  <p>Monomer: AMINO ACID</p>

<p>Nucleic Acids Nucleotide - the monomer of Nucleic Acid</p>	<p>Types:</p> <p style="text-align: center;">DNA</p> <p style="text-align: center;">RNA</p>	<p>Functions:</p> <ul style="list-style-type: none"> - Stores genetic information - Builds protein
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