

\*\*\*Note for teacher: The examples given in each category may also be acceptable as answers for other categories. For example, strawberries are in the nucleic acid category due to their cells containing DNA. However, strawberries also contains fructose and could be placed in the carbohydrates category. Meat also could be placed in multiple categories. \*\*\*

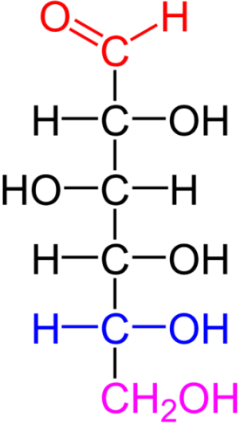
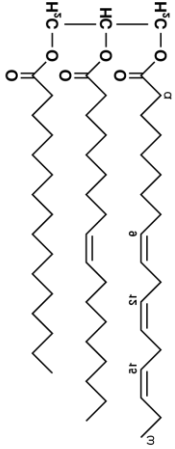
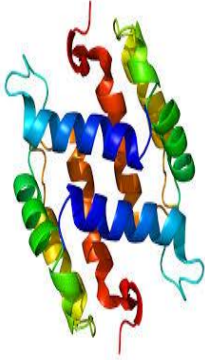
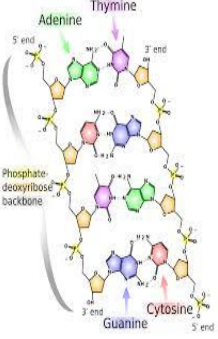
Carbohydrates	Lipids	Proteins	Nucleic Acids
 <p>The diagram shows the Fischer projection of D-glucose. The aldehyde group at the top is colored red. The hydroxyl group on the second carbon is on the right. The hydroxyl group on the third carbon is on the left. The hydroxyl group on the fourth carbon is on the right. The hydroxyl group on the fifth carbon is on the right. The primary alcohol group at the bottom is colored pink.</p>	 <p>The diagram shows three types of lipids: a saturated fatty acid (stearic acid), an unsaturated fatty acid (oleic acid), and a phospholipid (phosphatidylcholine).</p>	 <p>A 3D ribbon diagram of a protein, showing its complex folded structure with various loops and helices in different colors.</p>	 <p>A diagram of a DNA double helix. The sugar-phosphate backbone is shown in grey. The nitrogenous bases are labeled: Adenine (green), Thymine (purple), Guanine (red), and Cytosine (blue). The 5' and 3' ends of the strands are indicated.</p>
Simple sugars	Fats and oils	Hormones	Genetic material
starches	Glycerol and fatty acids	support	DNA
Potatoes	Composed of carbon, hydrogen, oxygen	Transport molecules	RNA
Composed of carbon, hydrogen, oxygen	Makes up cell membrane	Chains of amino acids	Made of nucleotides
Quick energy	Long-term energy	Composed of carbon, hydrogen, oxygen, nitrogen	Composed of carbon, hydrogen, oxygen, nitrogen, phosphorus
cellulose	Wax	Enzymes	Code for proteins
Rice	Butter	nails	Strawberries

Image sources:

Carbohydrate: [https://commons.wikimedia.org/wiki/File:D-glucose\\_color\\_coded.png](https://commons.wikimedia.org/wiki/File:D-glucose_color_coded.png)

**Lipid:**

[https://en.wikipedia.org/wiki/Triglyceride#/media/File:Fat\\_triglyceride\\_shorthand\\_formula.PNG](https://en.wikipedia.org/wiki/Triglyceride#/media/File:Fat_triglyceride_shorthand_formula.PNG)

**Protein:**

[https://commons.wikimedia.org/wiki/File:Spombe\\_Pop2p\\_protein\\_structure\\_rainbow.png](https://commons.wikimedia.org/wiki/File:Spombe_Pop2p_protein_structure_rainbow.png)

**Nucleic Acid:**

[https://en.wikipedia.org/wiki/DNA#/media/File:DNA\\_chemical\\_structure.svg](https://en.wikipedia.org/wiki/DNA#/media/File:DNA_chemical_structure.svg)