

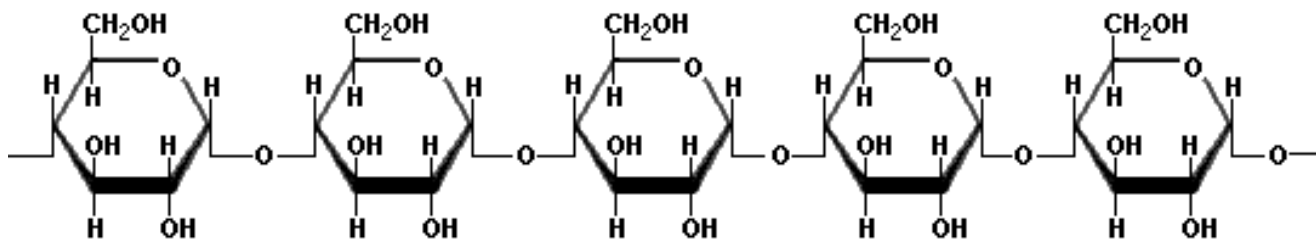
Food Molecules

Name: _____

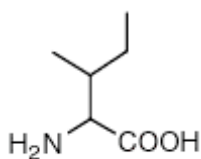
Part 1: Identification of Molecules

For each of the following organic structures, determine whether the material fits in the category of carbohydrate, fat or protein. In addition, identify what kind of molecule it is within the category. For instance, in the fat category, is it a saturated, monounsaturated, polyunsaturated, cis or trans fat.

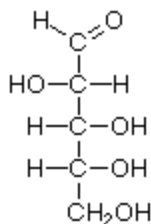
1)



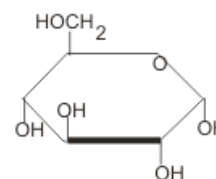
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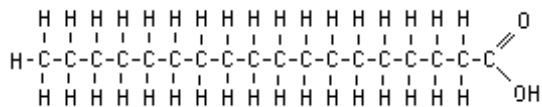
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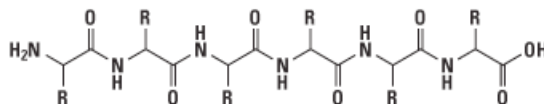
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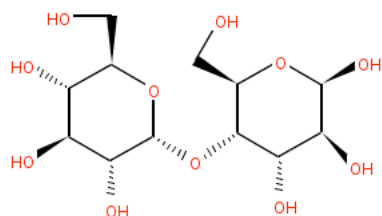
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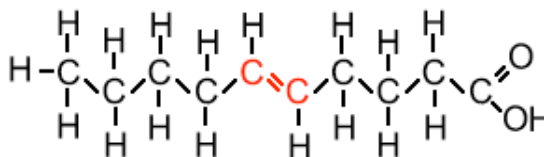
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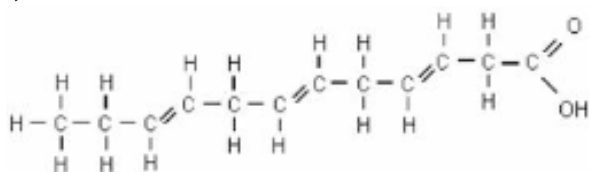
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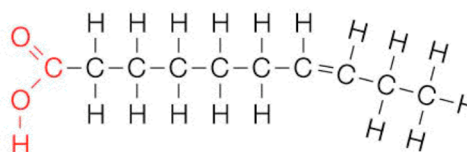
8)



9)



10)



Part 2: Fill in the following table.

Substance	Functional group(s)	Calories/gram	Common examples	Monomer / Polymer Name
carbohydrate				
fat				
protein				

Part 3: Compare/Contrast

For the following grouping of words, describe how the terms are similar and how they are different.

10) saturated fat, monounsaturated fat, polyunsaturated fat

11) protein, polysaccharide

12) trans fat, cis fat

13) ADP, ATP