

principal classes of  
organic compounds.

Carbohydrates

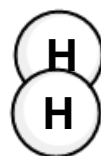
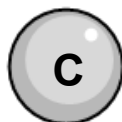
            
Proteins

Nucleic

**Where can you find  
carbohydrates?**

f.v.g

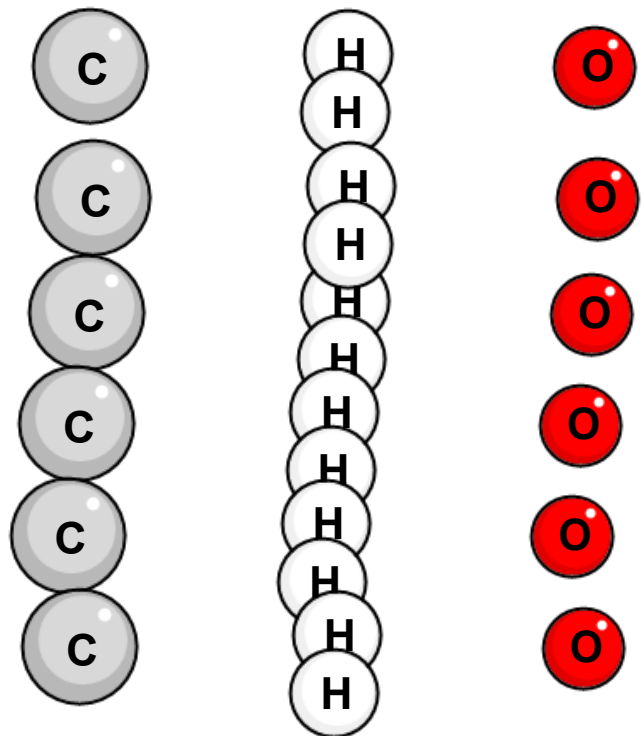
**What is this  
ratio?**



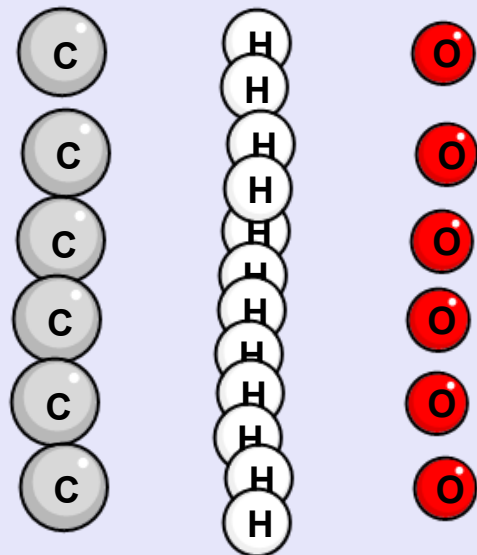
**Single sugars are the building block of carbohydrates.**

**Examples:**

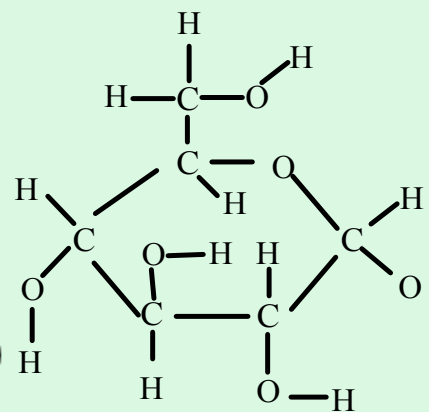
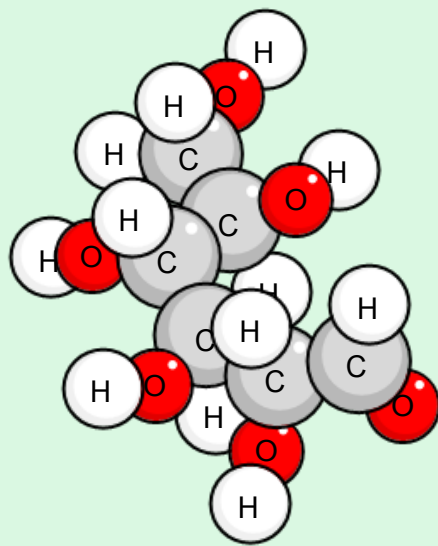
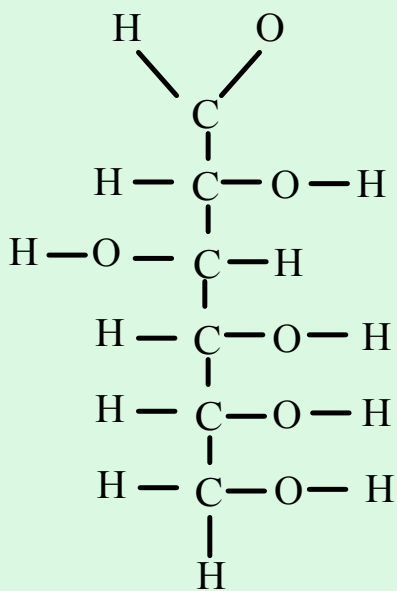
\_\_\_\_\_  
\_\_\_\_\_



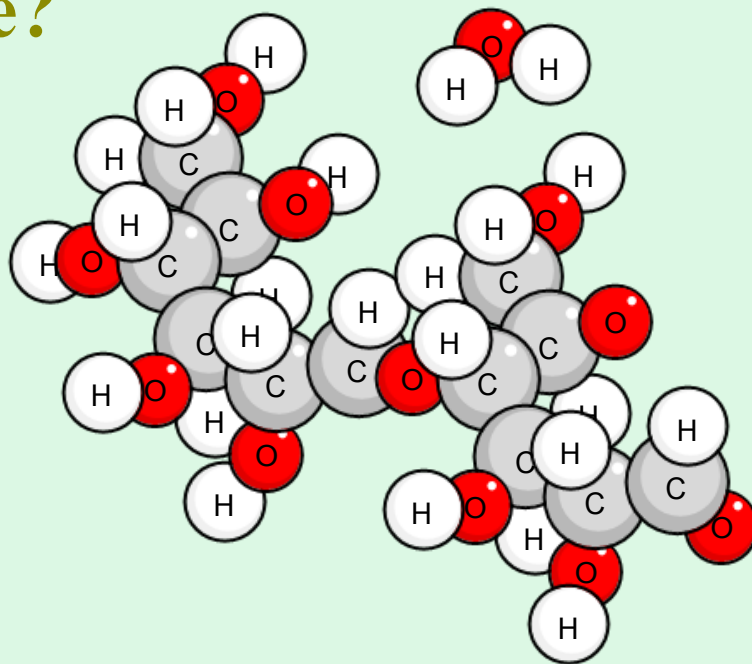
sugars are also  
known as monosaccharides.



# Glucose

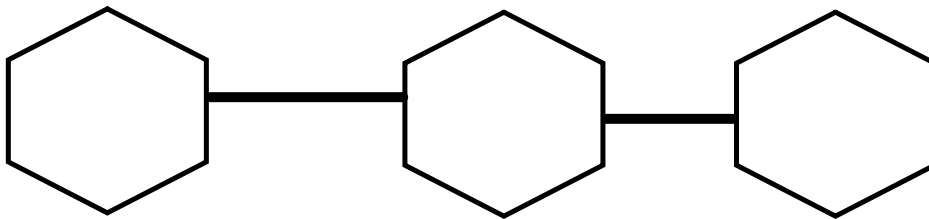
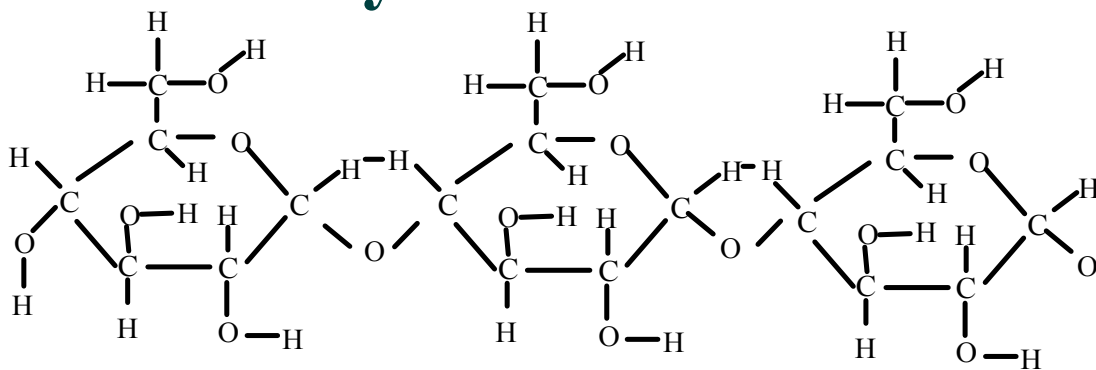


**What do you notice about this picture?**



**Maltose**

# Polysaccharide



<http://www.mansfield.ohio-state.edu/~sabedon/biol1025.htm>



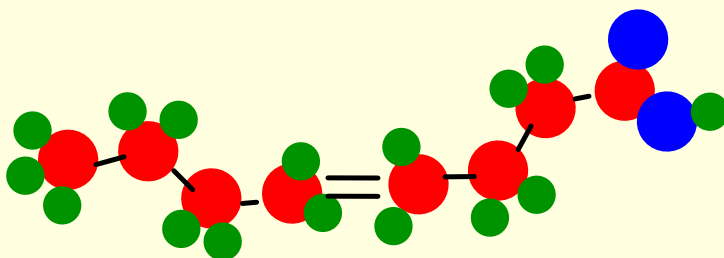
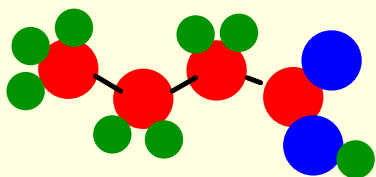


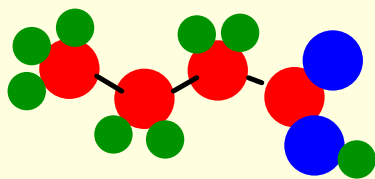
**Lipids are  
\_\_\_\_-polar  
molecules that  
are \_\_\_\_\_  
soluble in \_\_\_\_.**

**Examples:  
Fats  
Phospholipids  
\_\_\_\_\_  
Chlorophyll**

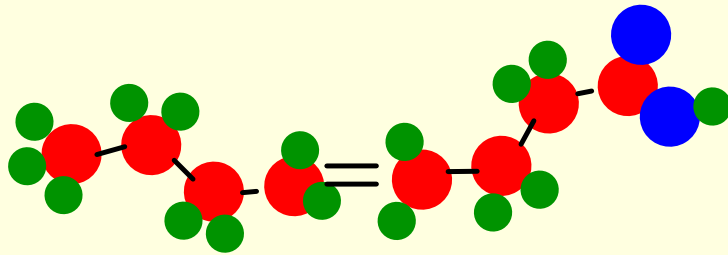
**Fats- lipids that  
store \_\_\_\_\_**

**What is the  
difference?**





**Solid at room  
temp like  
butter,lard,  
grease.**



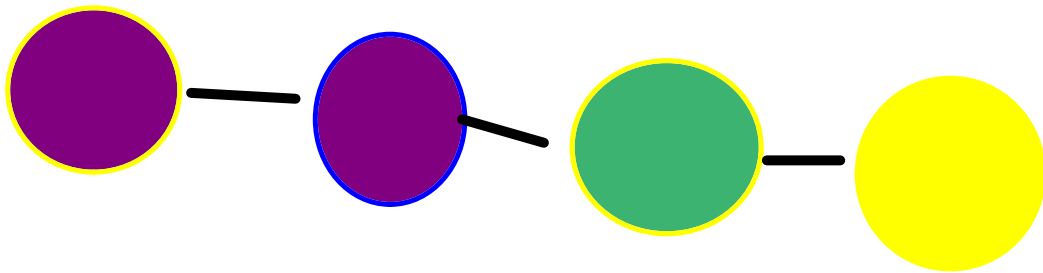
**Liquid at room  
temp like oil.**

[http://www.supplementquality.com/news/fatty\\_acid\\_structure.html](http://www.supplementquality.com/news/fatty_acid_structure.html)

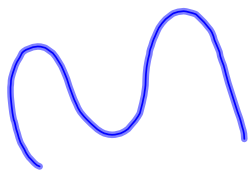


# **Proteins- a chain of amino acids**

# Amino acids- building \_\_\_\_\_ of \_\_\_\_\_



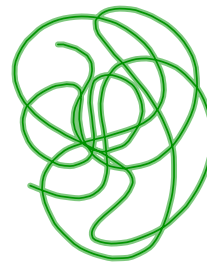
Primary  
Structure



Secondary  
Structure



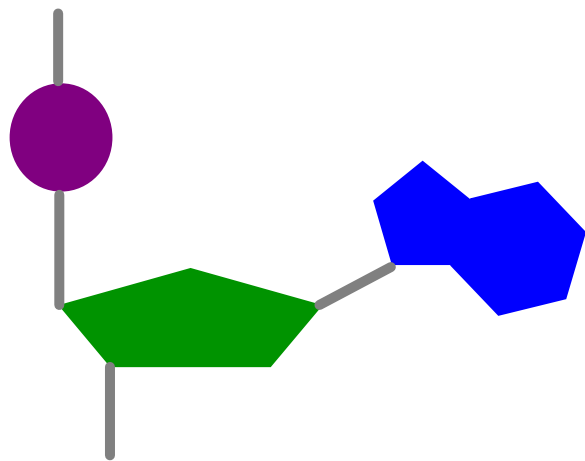
Tertiary  
Structure



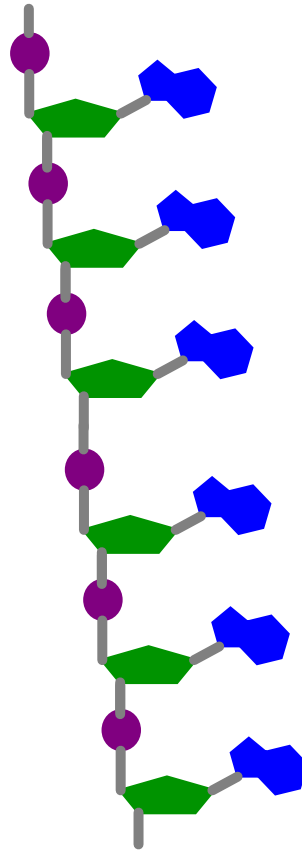


**Proteins are  
found in  
ligaments,  
\_\_\_\_, hair,  
bones, \_\_\_\_.**

Nucleotide-  
three parts a  
\_\_\_\_\_, a \_\_\_\_\_,  
and a  
phosphate  
\_\_\_\_\_

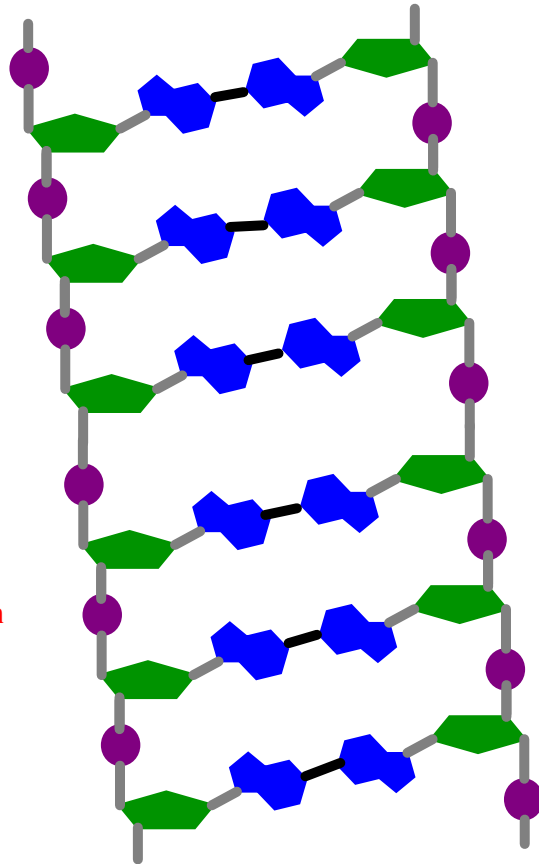


# Nucleic acid



# DNA

<http://biology.clc.uc.edu/courses/bio104/dna.htm>



# RNA

