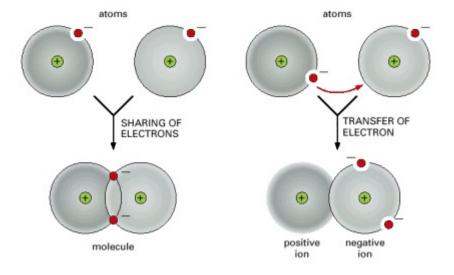
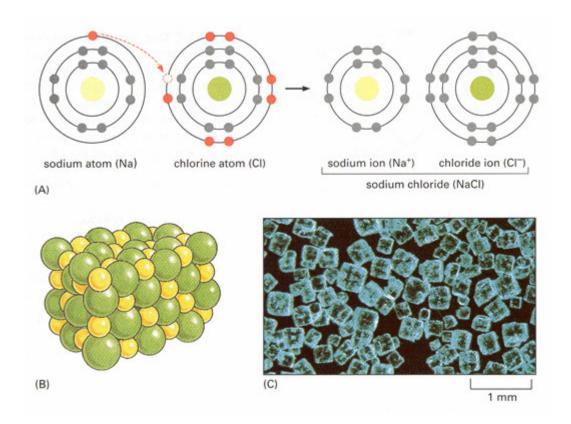
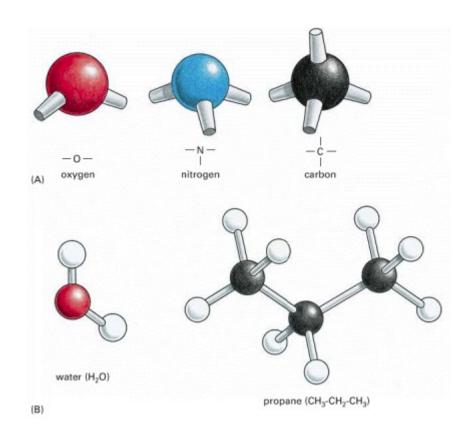
Undécimo - Identificar

	element	1	11	III	IV
1	Hydrogen	•			
2	Helium	00	STEEL ST		50.77
6	Carbon	00			
7	Nitrogen	00			
8	Oxygen	00			
10	Neon	00	*****		
11	Sodium	00	*****	•	
12	Magnesium	00	*****	••	
15	Phosphorus	00	0000000	•••••	
16	Sulfur	00		•••••	
17	Chlorine	00		••••••	
18	Argon	00	******	0000000	
19	Potassium	00	******	******	•
20	Calcium	00	00000000	0000000	••

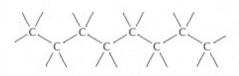






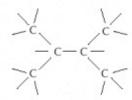
CARBON SKELETONS

Carbon has a unique role in the cell because of its ability to form strong covalent bonds with other carbon atoms. Thus carbon atoms can join to form chains.



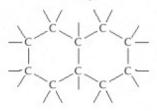
also written as

or branched trees

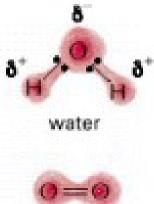


also written as

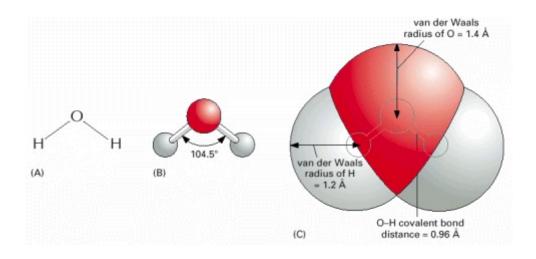
or rings



also written as

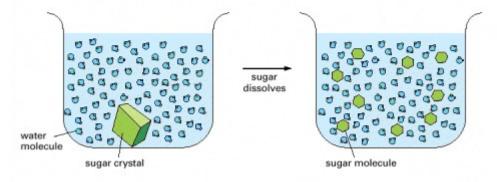


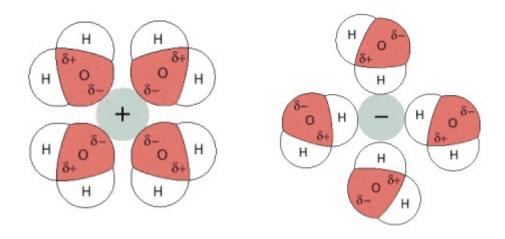


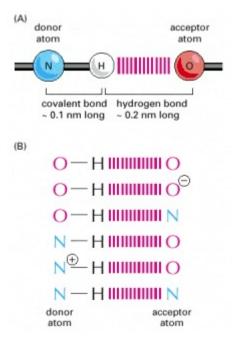


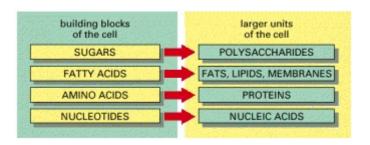
WATER AS A SOLVENT

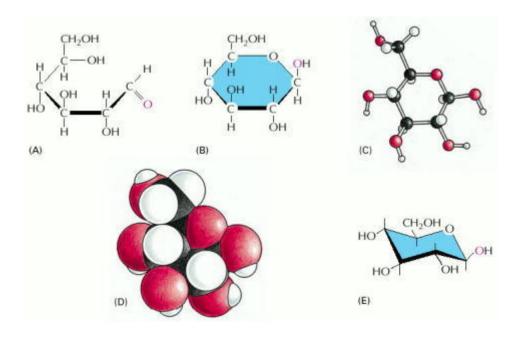
Many substances, such as household sugar, dissolve in water. That is, their molecules separate from each other, each becoming surrounded by water molecules.

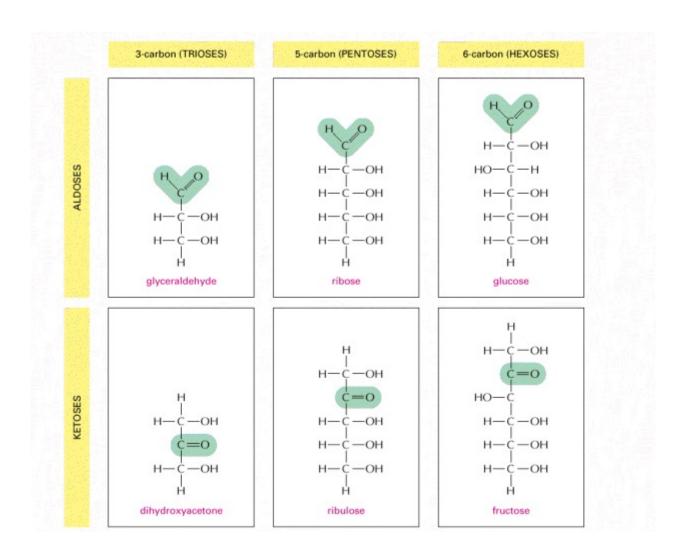


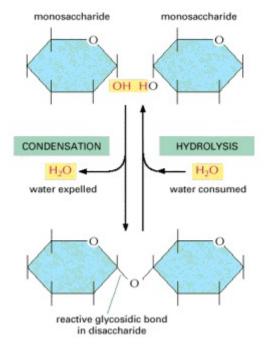


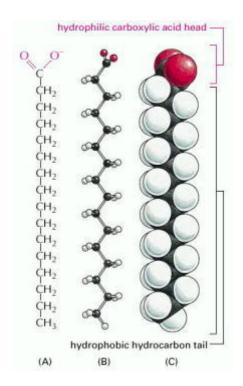






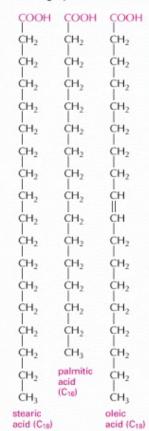






COMMON FATTY ACIDS

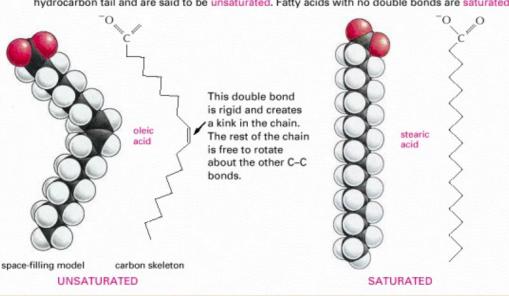
These are carboxylic acids with long hydrocarbon tails.

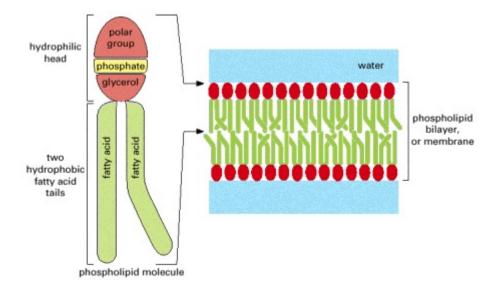


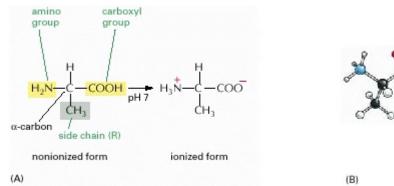
TRIACYLGLYCEROLS

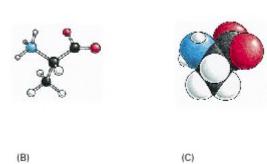
Fatty acids are stored as an energy reserve (fats and oils) through an ester linkage to glycerol to form triacylglycerols, also known as triglycerides.

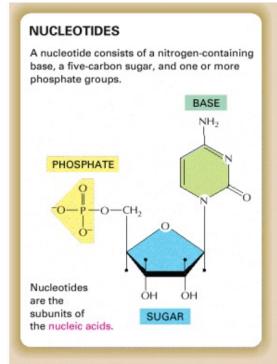
Hundreds of different kinds of fatty acids exist. Some have one or more double bonds in their hydrocarbon tail and are said to be unsaturated. Fatty acids with no double bonds are saturated.

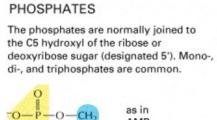


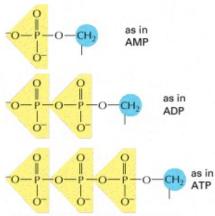




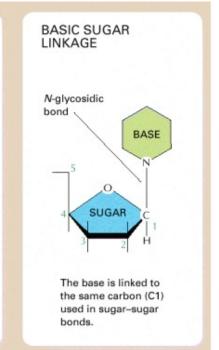




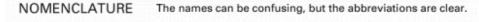




The phosphate makes a nucleotide negatively charged.



base



BASE	NUCLEOSIDE	ABBR.
adenine	adenosine	Α
guanine	guanosine	G
cytosine	cytidine	С
uracil	uridine	U
thymine	thymidine	т

Nucleotides are abbreviated by three capital letters. Some examples follow:

AMP = adenosine monophosphate dAMP = deoxyadenosine monophosphate

UDP = uridine diphosphate ATP = adenosine triphosphate BASE + SUGAR = NUCLEOSIDE

base

p

sugar

sugar

BASE + SUGAR + PHOSPHATE = NUCLEOTIDE

