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Organic chemistry (basics)		
>organic chemistry-	'chemistry of specific carbon compound'	
>nature of carbon atom	- tetra valency, catenation, isomerism	
*[catenation	tendency of an element to form chains of identical atoms]	
*[isomerism	-same molecular formula but different structural formula]	
*Hyrocarbons	-organic compounds containing 'C' and 'H' atoms only	
*Nomenclature	-system of assignment of names to organic compunds	
*Homologous series	-series of organic compounds where the successive members follow a regular structural pattern differing by a 'CH2' group	

organic v/s inorganic				
ORGANIC	INORGANIC			
≻covalent	≻electrovalent (ionic)			
►low melting/boiling points	≻high melting/boiling points			
≻insoluble in water/ soluble in organic solvents	► soluble in water/ insoluble in organic solvents			
≻non-conductors of electricity	► good conductors of electricty			
≻combustible	≻non-combustible			
≻volatile	≻non-volatile			
≻exhibits catenation and isomerism	≻doesn't exhibit catenation and isomerism			

CLASSIFICATION

ALIPHATIC (hydrocarbons)- open chains/straight chain	ATROMATIC (cyclic)- closed chains
>saturated (cannot take up more alkanes)	>homocyclic (only carbon and hydrogen atoms)
>unsaturated (double bond/triple bond-can take up more alkanes)	>heterocyclic (C,O,N,H, and S atoms)

NOMENCLATURE	
STEM	number of carbons
meth-	1
eth-	2
prop-	3
but-	4
penta-	5
hexa-	6
hepta-	7
octa-	8
nona-	9
deca-	10
stem/suffix	
-ane	Alkanes (single bonds)



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NOMENCL	ATURE (cont)			
-ene	Alkenes (double bonds)			
-yne	Alkynes (triple bonds)			
ISOMERISI		al groups geometrical arrangen	nent of atoms around double bond	
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