## Cheatography

## **Biology 1 Cheat Sheet** by ggcheatgg (evelana) via cheatography.com/85968/cs/20068/

Water H2O - solvent of life			Macromo	lecules
Water is the dominant component of virtually all living organisms, and most biochemical reactions			Macromolecules: (=Polymer energy storage, structural sup transport, protection and defe	
one oxygen and two hydrogen (connected via covalent bonds)			of metabolic activities, means / growth / development, hereo	
allows chemical reactions to occur inside living organisms			Proteins	The functions of p support, protection surface), catalysis defense, regulatio
necessary for the formation of certain biological structures				
polar molecule that can form hydrogen bonds - tetrahedral shape (because of four pairs of electrons on outer shell)			Carboh- ydrates	signaling, and stor contain carbon boo hydrogen and oxy have the general f (C1H2o1)n. act as storage and transp and structural com
$\textbf{gas} \rightarrow \text{does}$ not form hydrogen bonds				
$\textbf{solid} \rightarrow \text{molecules}$ are held in a rigid state by hydrogen bonds				
$\textbf{liquid} \rightarrow \text{hydrogen}$ bonds continually break and form as water molecules move		_	nucleic acids	A polymer made u tides, specialized
Evapor- ation	Living systems use the evapor- ation of water, which disrupts hydrogen bonds, to dissipate excess heat that would			storage, transmiss expression of gen ation. DNA and R acids.
	otherwise cause problems.		lipids	Nonpolar, hydroph
Adhesion	the attraction of water molecules to other molecules of a different type			molecules that inc waxes, steroids, a phospholipids that
cohesion	the capacity of water molecules to resist coming apart from one another when places under tension			biological membra
surface tension	water molecules stick to one another	-		
	Du unche stan (sucleus)		N a to a colo l'a	

rs) Function: ipport, ense, regulation s for movement dity proteins include on (e.g., skin s, transport, on, movement, rage onded to gen atoms and formula s energy port molecules mponents up of nucleofor the sion, and netic inform-NA are nucleic hobic clude fats, oils, and the it make up anes

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