Biologee Final Page Real Cheat Sheet by LoveZevia via cheatography.com/168660/cs/36057/

Unit 1				Unit 1 (cont))		
Transfer	Organic	Carbon	Carboh-	HyRhootgens	Onglandleic	The four	Carboh
of	chemistry	can form	ydrates	at ane s	coardidalads	classes	ydrates
electrons	is the study	large	inculde	armolecules	ar e olymers	of	contain
from one	of	molecules	both	pa rtialsij sting	co made nods	macrom	carbon
atom to	compounds	called	sugars	possítipælype-	thantucchendationle	olecules	group a
another	with	macrom-	and	anpotibles	ca nbon canelrs	inculde:	many
atom	covalently	olecules,	polymers	onfelpletar	hydrogen.	Carboh-	hydroxy
forms	bonded	this	of	coinadeant3D		ydrates,	groups
ion.	carbon.	means	sugars.	molecapile		proteins,	that are
		there can		will be		nucleic	compris
		be more		attracted		acids,	of C, H
		molecular		to an		and	and O
		diversity		electr-		lipids	
		thanks to		onegative			
		carbon.		atom in			
				another			
				covalent			
				molecule			
				electrons			
				will not be			
				shared			
				equally,			
				this is			
				called a			
				hydrogen			
			-	bond.			

By LoveZevia

cheatography.com/lovezevia/

Not published yet. Last updated 14th December, 2022. Page 1 of 100.

Sponsored by Readable.com

Measure your website readability! https://readable.com

Biologee Final Page Real Cheat Sheet by LoveZevia via cheatography.com/168660/cs/36057/

Unit 1 (cont	:)			Unit 1 (cont)				Unit 1 (cont)				
The	Carbon	Along with	Monosa-	Walkershape	CaNboorleic	Polymers	The	TVWeater is	HNy.abtleriag	Monomers	Monosa	
hydrogen	can	carbon,	ccharides	mofecules	caracids	are chain-	most	naqmolarrer	andcidas	are the	ccharid	
bonds	form	nitrogen is	are	mproeterin	formcan be	like	common	anfalecule	accensist of	repeating	can be	
between	single,	an	simple	lotletermine	scoveithet	macrom-	monosa	patateto is	olngeaenic	units that	building	
water	double,	important	sugars	its function	n bon Dohs iA or	olecules	ccharide	dataleed and	npatescuales	make up	blocks f	
molecules	or triple	element for	that have		wit ℝ NA	of similar	is	auniexqual	omitiyog-	polymers.	amino	
make it	covalent	building	molecular		other	or	glucose,	aschida,rithogey	comeaisting		acids, c	
more	bonds.	proteins	formulas		carbons.	identical	which is	coofintain an	obfase, a		as	
structured		and nucleic	with			repeating	used by	ærheictrons	hiiynderogen		monom	
than most		acids.	multiple			units that	many	gi nosuiq be; att	acadbon		for di- a	
liquids,		Phosphorus	units of			are	cells for	carboxyl	sarban,.		polysa-	
this		is important	CH2O			covalently	nutrients	group, a	and		ccharid	
allows for		for building				bonded	and fuel,	central	phosphate			
things		nucleic				together.	it is also	carbon	group(s).			
such as		acids and					used in	atom, and				
surface		some lipids.					cellular	an r chain,				
tension.							respir-	the r chain				
							ation	can				
								change				
								depending				
								on what				
								protein				
								the amino				
								acid is.				
	By LoveZ	Zevia		Not publishe	ed vet.			Sponsored	by Readable	e.com		
cheatography.com/lovezevia/				Last update	-	mber 2022			our website r			

cheatography.com/lovezevia/

Last updated 14th December, 2022. Page 2 of 100.

Measure your website readability! https://readable.com

Biologee Final Page Real Cheat Sheet by LoveZevia via cheatography.com/168660/cs/36057/

Unit 1 (cont)				Unit 1 (cont)	Unit 1 (cont)		
Cohesion	Dehydr-	Disacc-	The intera	- Pyrimi-	In a water	Each end of a	RNA is
is the	ation	harides	ction of	dines	molecule,	polypeptide is	single
attraction	reactions	are two	side	have	water is	unique, one	strande
of	are the	monosa-	chains	one	partially	end is a free	polynu-
molecules	bonding	cch-	with each	ring	positive and	amino acid	cleotide
to other	of two	arides	other is	with 6	oxygen is	and one is a	
molecules	molecules	joined bo	what	atoms	partially	free carboxyl	
of the	with the	covalent	determine	s while	negative.	group	
same	loss of	bonds,	the shape	purines			
type.	water.	polysa-	and	have			
		cch-	function of	one			
		arides	a protein	ring			
		are a		with 6			
		polymers		atoms			
		with		bonded			
		many		to one			
		monosa-		ring			
		cch-		with 5			
		arides		atoms.			
		joined by					
		dehydr-					
		ation					
		reactions					

The	Hydrolysis	Plant	Many	DNA
properties of	is the	and	AA are	consists
water	breaking	animal	linked	of two
include:	of the	cells use	with	polynu-
Adhesion,	bonds in a	polysa-	peptide	cle-
the clinging	polymer	cch-	bonds,	otides
ofd one	using	arides	every	in a
molecule to	water.	as	polype-	double
a different		stored	ptide	helix.
molecule,		energy,	has a	
which allows		they are	unique	
water to stick		also	link of	
to the wall of		used for	amino	
xylem and		structure	acids.	
resist gravity,				
Capillary				
action, The				
upward				
movement of				
water due to				
the forces of				
cohesion,				
adhesion,				
and surface				
tension. This				
phenomenon				
occurs when				
adhesion is				
greater than				
cohesion.				
Temperature				
Control,				
water has a				
high specific				
heat,				
meaning it				
can resist				
changes in				
temperature.				
Evaporative				
cooling,				
water cools				
things when				
evaporating.				
Floating Ice,				
as water				
as water solidifies it				
becomes				
less dense				
because of				
the crysta-				
lline				
structure				
formed by				
the hydrogen				
bonds.				



By LoveZevia

cheatography.com/lovezevia/

Not published yet. Last updated 14th December, 2022. Page 3 of 100. Sponsored by Readable.com Measure your website readability! https://readable.com

Biologee Final Page Real Cheat Sheet by LoveZevia via cheatography.com/168660/cs/36057/

Unit 3				Unit 3 (cont	:)			Unit 3 (con	t)		
Metabolism	Energy	Laws	The free	C elletebo lic	Kinetic	The 1st	Exergoni	cTh e kdenosi	nehermal	the 2nd	Enderg
is all of the	is the	of	energy	p epradhw ays	energy is	law of	reactions	aretripoloo-	energy is	law of	reaction
chemical	ability	thermo	change of	thære a	the energy	thermo-	are	typ sepshait e is	s energy	thermo-	are
reactions	to do	dyn-	reactions	kinselsieesf of	associated	dynamics	reations	metabolic	associated	dynamics	reaction
in an	work	amics	determines	w ch ęmical	w/ motion.	is that	that	pa tho/æ ¢,ule	e w/ the	is that	that ab
organism.		are the	whether or	meethations		energy	release	cattalaolic	movement	energy	energy
		study	not the	icath,at either		cannot be	energy	an d rganisn	nsof atoms	transf-	
		of	reaction	tr ansko ort,		created		an alse li a s a	and	ormation	
		energy	occurs	ancomplex		nor		Ca sabootie c	of molecules.	increases	
		transf-	sponta-	chrenorliscaliles		destroyed		pa térwengş t	0	the	
		orm-	niously	or break		but it can		areperform		entropy	
		ations		down		be transf-		patkwarakys		of the	
		in		complex		erred or		that		universe.	
		matter		molecules		transf-		release			
		is				ormed		energy			
		called						while			
		thermo						anabolic			
		dyn-						pathways			
		amics						consume			
								energy			

By LoveZevia

cheatography.com/lovezevia/

Not published yet. Last updated 14th December, 2022. Page 4 of 100. Sponsored by Readable.com Measure your website readability! https://readable.com

Biologee Final Page Real Cheat Sheet by LoveZevia via cheatography.com/168660/cs/36057/

Unit 3 (cont)

Potential	enzymes can be inhibited in
energy is	order to stop the production
stored	of too many products.
energy	

Unit 3 (cont)

chemical energy is potential energy available for release in a chemical reaction

С

By LoveZevia

cheatography.com/lovezevia/

Not published yet. Last updated 14th December, 2022. Page 5 of 100. Sponsored by Readable.com Measure your website readability! https://readable.com