

# 1100 Biochemical Terms That May Be Used in BCH 5045

How many do you recognize?

- 5-lipoxygenase-activating protein
- $(\text{CH}_2\text{O})_n$
- $\delta$ -amino levulinate
- 1, 2 diacylglycerol
- 13(S)-HPOT
- 1-deoxy-D-xylulose-5-phosphate synthase
- 2,4-dinitrophenol
- 2,6-dichlorophenolindophenol
- 2'-OH
- 2-phosphoglycollate
- 3,4-dihydroxyphenol (catechol)
- 3'5'-cAMP
- 3'-5' phosphodiester bond
- 3'-OH
- 3PGA
- 3-phosphoglyceric acid
- 4'phosphopantetheine
- 5' cap
- 5', 5' triphosphate linkage
- 5'-deoxyadenosylcobalamin (B12)
- 5-HPETE
- 5-lipoxygenase
- 5-phosphoribosylpyrophosphate
- 5'-phosphate
- 5-phosphoribosyl-1-pyrophosphate
- 5-phosphoribosyl- $\beta$ -pyrophosphate
- 6-phospho-gluconolactone
- 6-phospho-glucononate
- 7-methylguanosine
- 8, 11, 14-eicosatrienoic acid
- A-site
- ACCase
- accessory pigments
- acetal
- acetate
- acetoacetyl-CoA
- acetylating
- acetylcholine
- acetyl-CoA
- acetyl-CoA carboxylase
- acetylsalicylic acid
- aconitase
- ACP
- action potentials
- activation free energy
- activator
- active site residue
- active transporters
- acyl carrier protein
- acyl-CoA ligase
- acylphosphate anhydride backbone
- adenine
- adenine nucleotide
- adenosyl
- adenylate
- adenylate cyclase
- adenylate kinase
- adenylation
- adenylation/deadenylation
- ADP
- ADPG
- ADP-glucose synthase
- adrenaline (epinephrine)
- adrenergic receptors
- affective disorders
- affinity
- agrinine
- alanine
- aldehyde
- aldehyde hydrate
- aldimine
- aldol condensation
- aldose
- aldotetrose
- aldotriose
- allene oxide cyclase
- allene oxide synthase
- allolactose
- allosteric control
- allosteric effectors
- allosteric enzyme
- allosteric regulation
- allostery
- $\alpha$  (1,4) linkage
- $\alpha$  (1,6) linkage
- alpha helix
- alpha-amino
- alpha-carboxyl
- alpha-galactosidase
- alpha-keto acid
- alpha-ketoglutarate
- alpha-ketoglutarate dehydrogenase
- alternative processing
- amine
- amino acceptor
- amino acid activation
- amino acids
- amino group
- amino group donor
- aminoacyl-AMP
- aminoacyl-tRNA
- aminoacyl-tRNA synthase
- AMP
- AMPA receptors
- amphibolic pathway
- amphipathic
- amplified
- amylopectin
- amylose
- anabolic
- anabolism
- anneal
- anomeric carbon
- anomers
- antibiotics
- anticodon
- anticodon loop
- antiparallel
- antiport
- AOC
- AOS
- apoenzyme
- apurinic
- apyrimidinic
- arachidonic acid
- Archaea
- aromatic amino acids
- aromatic amino synthesis
- ascorbic acid
- Asn-X-Ser/Thr
- aspartate
- aspartate transcarbamoylase
- aspartic acid
- aspirin
- asthma
- asymmetric
- asymmetric carbons
- ATP
- ATP dependent
- ATP synthase
- ATP synthesis
- atropine
- AUG
- automated DNA sequenator
- base
- benzodiazepines
- $\beta$  (1,4)
- $\beta$ -Hydroxy-beta-methylglutaryl-CoA
- $\beta$ -keto acid
- $\beta$ -ketoacyl-CoA
- $\beta$ -linkage
- beta-oxidation
- bifunctional
- biotin
- biotin carboxyl carrier protein

154.	biotin carboxylase	217.	<i>cis</i> -aconitate	281.	deoxyribonucleotide
155.	blunt ends	218.	cistron	282.	deoxyribose
156.	boat conformation	219.	citrate synthase	283.	deoxyribose-phosphate backbone
157.	Bohr Effect	220.	citric acid	284.	deoxyuridine
158.	bound FAD	221.	citric acid cycle	285.	desaturase
159.	Briggs-Haldane equation	222.	citric synthase	286.	dextrorotatory
160.	butyryl-CoA	223.	clathrates	287.	D-glucuronic acid
161.	C20 compounds	224.	cloned	288.	D-glyceraldehyde
162.	caffeine	225.	CNBr	289.	dGTP
163.	calcium dependent	226.	CO <sub>2</sub>	290.	DHAP
164.	Calvin Cycle	227.	CoA	291.	diacylglycerol
165.	cAMP	228.	CoASH	292.	diacylglycerol lipase
166.	CAP	229.	codon	293.	diastereoisomers
167.	carbamate phosphate	230.	coenzyme A	294.	di-deoxyribonucleotide
168.	carbamoyl phosphate	231.	coenzymes	295.	dielectric constant
169.	carbamoyl phosphate synthetase II	232.	cofactors	296.	digalactosyl diacylglycerol
170.	carbamoylaspartate	233.	compartmentation	297.	diglycerol kinase
171.	carbanion	234.	competitive inhibitor	298.	dihydrolipoyl dehydrogenase
172.	carbohydrate metabolism	235.	amino acid composition	299.	dihydroacetone phosphate
173.	carbonic anhydrase	236.	concerted mechanism	300.	dihydrofolate
174.	carbonyl C-N bond	237.	concerted reaction mechanism	301.	dihydrofolate reductase
175.	carboxyl group	238.	condensation reaction	302.	dihydrolipoyl transacetylase
176.	carboxytransferase	239.	configuration	303.	dihydroquinone
177.	carnitine (4-trimethylamino-3-hydroxybutyrate)	240.	conformation	304.	diisopropylfluorophosphate
178.	carnitine transferase I	241.	conformational change	305.	dimethylallyl pyrophosphate
179.	carnitine transferase II	242.	conjugated double bond	306.	dimethylbenzimidazole
180.	carotenoids	243.	contigs	307.	dinitrogenase reductase
181.	catabolic	244.	coordinate bonds	308.	dipeptide
182.	catabolism	245.	coordinately regulated	309.	dipole
183.	catabolite repression	246.	corrin ring	310.	dipole-dipole interactions
184.	catalyst	247.	corticosterone	311.	direct linear plot
185.	catecholamine	248.	cortisol	312.	disaccharide
186.	cDNAs	249.	Coulomb's Law	313.	dissociation constant
187.	CDP-diacylglycerol	250.	coupled	314.	disulfide
188.	cell wall	251.	COX-2	315.	disulfide bridge
189.	cellulose	252.	CpG	316.	disulfide linkage -S-S-
190.	central dogma	253.	CTP	317.	dithio/disulfide reduction/oxidation cycle
191.	cGMP	254.	cyclic AMP (3', 5'-cAMP)	318.	dithiol
192.	chair	255.	cyclic hemiacetal	319.	Dixon plot
193.	channels	256.	cyclic hydroperoxide	320.	DMAPP
194.	charge-charge interactions	257.	cyclobutane ring	321.	DNA
195.	charged (ionized)	258.	cyclooxygenase	322.	DNA dependent RNA polymerase
196.	charge-dipole interactions	259.	cysteine	323.	DNA ligase
197.	chelates	260.	cytochrome b	324.	DNA sequencing
198.	chemiosmotic theory	261.	cytochrome bH	325.	DNase
199.	chiral center or chiral carbon	262.	cytochrome c oxidase	326.	dolichol phosphate
200.	chitin	263.	cytochrome P450	327.	dopamine
201.	chitosan	264.	cytosine	328.	double reciprocal plot
202.	chlorophyll	265.	cytosol	329.	D-ribose
203.	cholesterol	266.	DAG	330.	D-ribose-5-phosphate
204.	cholesterol-esters	267.	dATP	331.	dTTP
205.	choline	268.	dCTP	332.	dUMP
206.	cholinergic synapses	269.	<i>de novo</i>	333.	Eadie-Hofstee plot
207.	chorismate	270.	deacylation/reacylation	334.	Edman degradation
208.	chromatin	271.	deamination	335.	effectors
209.	chromosomes	272.	debye units	336.	eicosanoids
210.	chylomicrons	273.	decarboxylation	337.	elastase
211.	chylomicrons	274.	degeneracy	338.	electrical potential
212.	chymotrypsin	275.	dehydrase	339.	electrochemical gradients
213.	chymotrypsinogen	276.	dehydration	340.	electron donors
214.	circular dichroism	277.	δ-ALA	341.	electron transport chain
215.	<i>cis</i>	278.	denaturation	342.	electronic interactions
216.	<i>cis</i> regulatory sequences	279.	deoxy	343.	electrophile
		280.	deoxy sugar		

344.	electrostatic	408.	fructose-2,6-BP	470.	gratuitous inducers
345.	elongation	409.	fumarate	471.	GroEL
346.	enantiomers	410.	functional groups	472.	GroES
347.	end product inhibition	411.	furanose	473.	group transfer
348.	endomembranes	412.	futile cycle	474.	GTP
349.	endonucleases	413.	GAL1	475.	GTP/ATP
350.	endoperoxidase	414.	GAL10	476.	guanylate
351.	endoplasmic reticulum	415.	GAL2	477.	guanylate cyclase
352.	endoproteinase AspN	416.	GAL4	478.	H <sub>2</sub> O
353.	endoproteinase LysC	417.	GAL7	479.	Haber Process
354.	energy charge	418.	GAL80	480.	<i>Haemophilus influenzae</i>
355.	enhancer	419.	γ-amino butyric acid (GABA)	481.	Hanes-Woolf plot
356.	enthalpy	420.	GDP	482.	Haworth projection
357.	entropy	421.	gene cloning	483.	HCO <sub>3</sub> <sup>-</sup>
358.	enzyme activation (zymogen)	422.	general acid	484.	HDL
359.	enzymes	423.	general base	485.	helicase
360.	epimerase	424.	genetic code	486.	helix-turn-helix motif
361.	epimers	425.	geranyl pyrophosphate	487.	hematin
362.	epinephrine	426.	Gibbs Equation	488.	heme
363.	epoxide, A4	427.	GlcN-6-P	489.	heme cofactor
364.	equilibrium	428.	glucagon	490.	hemiacetal
365.	erythrose	429.	glucocorticoid steroids	491.	hemoglobin
366.	erythrose-4-phosphate	430.	gluconeogenesis	492.	Henderson-Hasselbach equation
367.	EST	431.	glucosamine-6-phosphate	493.	Henri-Michaelis-Menten equation
368.	ester linkages	432.	glucose-1-phosphate	494.	heterochromatin
369.	esterified	433.	glucuronic acid	495.	heterolytic
370.	estrogen	434.	Glu-Cys-Gly	496.	heteropolymers
371.	ethanol	435.	glutamate	497.	hexose phosphate pool
372.	ethylene	436.	glutamate dehydrogenase	498.	high affinity
373.	euchromatin	437.	glutamate synthase	499.	high ATP
374.	exons	438.	glutamic acid	500.	high copy number
375.	extra chromosomal DNAs	439.	glutamine	501.	Hill equation
376.	extrinsic	440.	glutamine 2-oxo-glutarate aminotransferase oxidoreductase	502.	Hill reagent
377.	F-2, 6-BP	441.	glutamine synthetase	503.	histamine
378.	F-2, 6-BP, 2-phosphatase	442.	glutamine-PRPP amidotransferase	504.	histidine
379.	F-6-P	443.	glutathione	505.	histidine tags
380.	F-6-P, 2-kinase	444.	glyceraldehyde-3-phosphate	506.	histones
381.	FAD	445.	glycerate C-2 and/or C-3 phosphate pool	507.	HMG-CoA
382.	FADH <sub>2</sub>	446.	glycerate-2,3-bisphosphate (GBP)	508.	HMG-CoA reductase
383.	farnesyl pyrophosphate	447.	glycerol	509.	HMG-CoA synthase
384.	fatty acid synthase	448.	glycerol-3-phosphate	510.	holoenzyme
385.	fatty acids	449.	glycine	511.	holoprotein
386.	Fe	450.	glycoamino-glycan	512.	homeodomain
387.	Fe4-S4	451.	glycoaminoglycans	513.	homeostasis
388.	feedback	452.	glycogen	514.	homeotic genes
389.	feed-back inhibitors	453.	glycogen phosphorylase	515.	homogeneity
390.	Fehling's reagent	454.	glycogen synthase	516.	homolytic cleavage
391.	ferredoxin	455.	glycolipid	517.	homopolymers
392.	Fischer projection	456.	glycolysis	518.	hormone maturation
393.	FLAP	457.	glycoprotein	519.	hormones
394.	flavin adenine dinucleotide	458.	glycosidic bond	520.	hyaluronic acid
395.	flavin mononucleotide	459.	glycosphingolipid	521.	hydrogen bond (H-bond)
396.	flavodoxin	460.	glycosylation	522.	hydrogens
397.	flow of electrons	461.	glycosyltransferase	523.	hydrophobic interaction
398.	fluid-mosaic model	462.	glyoxylate	524.	hydroxylation
399.	fluorodinitrobenzene	463.	glyoxylate cycle	525.	hydroxymethyl
400.	FMN	464.	glyoxysome	526.	hydroxymethyl group
401.	formimino group	465.	GOGAT	527.	hyperbolic
402.	formyl group	466.	golgi apparatus	528.	IDL
403.	formylated methione	467.	golgi complex	529.	imidazole group
404.	formyl-THF	468.	good leaving group	530.	imidazole ring
405.	free energy	469.	G-protein coupled receptor	531.	imidazolone ring
406.	free radical mechanism			532.	imine
407.	fructose-1,6-bisphosphatase			533.	imino

534.	IMP	598.	linoleic acid	662.	N10-formyltetrahydrofolate synthase
535.	inducers	599.	linolenate	663.	N <sub>2</sub>
536.	inhibitors	600.	linolenic acid	664.	N5, N10-methyltetrahydrofolate
537.	initiation	601.	lipases	665.	N5-methyltetrahydrofolate
538.	initiator met-tRNA	602.	lipid bilayer	666.	N-acetyl-β-D-glucosamine
539.	inner membrane space	603.	lipid body	667.	N-acetyl-D-glucosamine
540.	inosine monophosphate	604.	lipid metabolism	668.	N-acetyl-galactosamine
541.	inositol-4,5-phosphate	605.	lipoprotein lipase	669.	NAD <sup>+</sup>
542.	insert DNA	606.	lipoproteins	670.	NADH
543.	integral membrane protein	607.	lipoxygenase	671.	NADP <sup>+</sup>
544.	intercellular spaces	608.	local responses	672.	NADPH
545.	interchain H-bonds	609.	London Dispersion forces	673.	native protein
546.	intermediary metabolism	610.	long-term potentiation	674.	negative cooperativity
547.	intrinsic	611.	lovastatin (mevinolin)	675.	N-end rule
548.	introns	612.	low affinity	676.	neuropeptides
549.	ion exchange chromatography	613.	low ATP	677.	N-glycosidic bond
550.	ionic bond	614.	low copy number	678.	N-glycosidic linkage
551.	IP3 second messenger	615.	LOX2	679.	NH <sub>3</sub>
552.	IPP	616.	lysosome	680.	NH <sub>4</sub> <sup>+</sup>
553.	IPTG	617.	major groove	681.	nick
554.	iron-sulfur	618.	malate	682.	nicotinamide adenine dinucleotide
555.	isalloxazine ring	619.	malate dehydrogenase	683.	nicotinamide adenine dinucleotide phosphate
556.	isocitrate	620.	malate synthase	684.	nicotinamide ring
557.	isocitrate dehydrogenase	621.	MALDI-TOF	685.	nicotinic receptors
558.	isocitrate lyase	622.	malonyl-CoA	686.	nicotinic receptors superfamily
559.	isocitric acid	623.	MAO inhibitors	687.	nitrate
560.	isoelectric point pI	624.	mass action	688.	nitrate reductase
561.	isoforms	625.	matrix	689.	nitric oxide (NO)
562.	isomerase	626.	megabases	690.	nitric oxide synthase
563.	isomer	627.	mercaptoethylamine	691.	nitrite
564.	isopentyl pyrophosphate	628.	messenger RNA	692.	nitrite reductase
565.	isoprene	629.	metabotropic receptors	693.	nitrogenase complex
566.	isoprenoid	630.	methotrexate	694.	N-linked
567.	isopropyl-alpha-D-thiogalactosidase	631.	methyl group	695.	N-linked oligosaccharides
568.	JA	632.	methyl jasmonate	696.	NMDA receptors
569.	Jack bean urease	633.	methylated	697.	NMR
570.	jasmonate	634.	methylation	698.	NO <sub>2</sub> <sup>-</sup>
571.	jasmonic acid	635.	methylene	699.	NO <sub>3</sub> <sup>-</sup>
572.	keto group	636.	methylmalonyl semialdehyde	700.	non superimposable
573.	ketose	637.	mevaldic acid	701.	noncompetitive inhibition
574.	Klenow fragment	638.	mevalonate	702.	nonessential amino acids
575.	knocked out	639.	mevalonate	703.	nonpolar
576.	Krebs cycle	640.	mevalonic	704.	nonrandom
577.	<i>lac</i> operon	641.	microarrays	705.	noradrenaline
578.	lactate	642.	microbody (peroxisome)	706.	norepinephrine
579.	L-arginine	643.	minor groove	707.	NSAIDS
580.	LDL	644.	mitochondrion	708.	nuclear region "nucleoid"
581.	leader region	645.	mixed-type inhibition	709.	nucleases
582.	leaving group	646.	Mo	710.	nucleic acids
583.	lecithin	647.	molar extinction coefficient	711.	nucleophile
584.	leghemoglobin	648.	molecular chaperones	712.	nucleophilic addition
585.	Lesch-Nyhan syndrome	649.	monoacyl glycerol	713.	nucleophilic attack
586.	leucine zipper	650.	monoamine neurotransmitters	714.	nucleophilic catalysis
587.	leukotriene synthase inhibitors	651.	monoamine oxidase (MAO)	715.	nucleophilic displacement
588.	leukotrienes	652.	monogalactosyl diacylglycerol	716.	nucleoside
589.	levorotatory	653.	MoO <sub>4</sub> <sup>2-</sup> cofactor	717.	nucleosomes
590.	lexA	654.	motor end plates	718.	nucleotide
591.	L-glutamate	655.	mRNA	719.	nucleotide linked sugar
592.	L-glyceraldehyde	656.	muscarinic receptors	720.	nucleotide phosphate
593.	Librium	657.	mutarotation	721.	nucleus
594.	ligand	658.	mutated	722.	O <sub>2</sub>
595.	ligand-gated ion channels	659.	Mycoplasma genitalium	723.	OAA
596.	ligase	660.	myoglobin	724.	O-acyl
597.	Lineweaver-Burk plot	661.	N10-formyltetrahydrofolate		

725.	octadecanoid	789.	phosphoglucomutase	853.	proteasome
726.	OH group	790.	phosphogluconate pathway	854.	protoporphyrin IX
727.	Okazaki fragments	791.	phospholipase A	855.	proximal acceptor
728.	old yellow enzyme	792.	phospholipase A1	856.	proximal donor
729.	oleoyl-CoA	793.	phospholipase A2	857.	PRPP
730.	oligogalacturonides	794.	phospholipase C	858.	PRPP synthetase
731.	oligomycin	795.	phospholipase D	859.	PS
732.	oligosaccharides	796.	phospholipases	860.	pteridine ring
733.	O-linked	797.	phospholipids	861.	PTH derivative
734.	one electron transfers	798.	phosphoribosyl	862.	puffs
735.	one-carbon unit	799.	phosphorylase	863.	purine
736.	OPDA	800.	phosphorylated sugar	864.	PVDF membrane
737.	open reading frame	801.	phosphorylation	865.	pyranose
738.	operator	802.	phosphorylation/dephosphorylation	866.	pyridine nucleotides
739.	operon	803.	phosphotidylinositol	867.	pyridoxal phosphate
740.	orbitals	804.	photophosphorylation	868.	pyridoxamine phosphate
741.	ordered, binding and release	805.	photorespiration	869.	pyrimidine
742.	oriC	806.	photosystem I	870.	pyrophosphate
743.	origin of replication	807.	photosystem II	871.	pyrophosphate dependent phosphofructokinase
744.	ornithine	808.	photosystems	872.	pyrrole rings
745.	orotate	809.	Pi	873.	pyruvate
746.	over-expressed	810.	ping-pong	874.	pyruvate carboxylase
747.	oxaloacetate (OAA)	811.	plasma membrane	875.	pyruvate dehydrogenase
748.	oxidation	812.	plasmids	876.	pyruvate dehydrogenase complex
749.	oxidative phosphorylation	813.	Pol I	877.	pyruvate kinase
750.	oxidatively decarboxylated	814.	polar	878.	quaternary structure
751.	oxyanion	815.	polyA	879.	R group
752.	oxygen	816.	polyadenylated	880.	raffinose
753.	P site	817.	polycistronic	881.	random, binding and release
754.	P680	818.	polycistronic mRNA	882.	rate constant
755.	P700	819.	polylysine	883.	rate-limiting step
756.	palindromic	820.	polymerase	884.	reaction centers
757.	palmitoyl-CoAglucagon	821.	polymerase chain reaction	885.	recA
758.	pancreatic ribonuclease	822.	polypeptides	886.	recombinant DNA
759.	pantothenic acid	823.	polyphenylalanine	887.	recombinant plasmid
760.	Parkinson's disease	824.	polytene chromosomes	888.	reducing sugars
761.	pathway	825.	polyU	889.	reduction
762.	PCR	826.	porphobilinogen	890.	reductive pentose pathway
763.	PE	827.	porphyrin ring	891.	reductive process
764.	pentasaccharide	828.	positive cooperativity	892.	regeneration of the acetate acceptor
765.	pentose phosphate pathway	829.	post-transcriptionally	893.	regulation
766.	PEP	830.	post-translational modifications	894.	regulatory gene
767.	PEP carboxykinase	831.	PPi	895.	remodeling
768.	peptides	832.	primary structure	896.	renaturation
769.	peptides bonds	833.	primase	897.	redox
770.	peripheral membrane protein	834.	primer	898.	repressor
771.	permease	835.	processing	899.	residue, amino acid
772.	peroxidase	836.	progesterone	900.	resonance energy transfer
773.	peroxidation	837.	proline	901.	restriction enzymes
774.	PFP	838.	proline cis-transisomerase	902.	restriction map
775.	PG	839.	promoter	903.	reverse transcriptase
776.	PGG2	840.	proofreading	904.	reversible binding
777.	PGH2	841.	prostacyclins	905.	ribo-
778.	PGH2 synthase	842.	prostaglandins	906.	ribonucleoprotein
779.	phenylalanine	843.	prosthetic group	907.	ribonucleic acid (RNA)
780.	phenylalanine	844.	proteases	908.	ribonucleotide
781.	phenylisothiocyanate	845.	protein disulfide isomerase	909.	ribonucleotide reductase
782.	phosphatidic acid	846.	protein endopeptidase	910.	ribose
783.	phosphofructokinase	847.	protein hydrolases	911.	ribose phosphate pyrophosphokinase
784.	phosphate	848.	protein kinases	912.	ribose phosphate pyrophosphokinase synthetase
785.	phosphate group	849.	protein phosphatase	913.	ribose-5-P
786.	phosphate transporter	850.	protein secretion	914.	ribose-5-phosphate
787.	phosphatidic acid	851.	protein synthesis		
788.	phosphodiester bond	852.	protein turnover		

915.	ribosomal RNA	977.	stop codon	1041.	transesterification
916.	ribosylation	978.	stress-related proteins	1042.	transfer of electrons
917.	ribozymes	979.	stromal compartment	1043.	transfer RNA
918.	ribulose-1,5-bisphosphate	980.	structural genes	1044.	transformed
919.	ribulose-5-phosphate	981.	strychnine	1045.	trans-golgi
920.	ribulose-bisphosphate carboxylase-oxygenase	982.	substrate analog inhibitors	1046.	transition state
921.	RNA	983.	substrate channeling	1047.	transketalose
922.	RNA polymerases	984.	substrate specificity	1048.	translational freedom
923.	RNA-dependent DNA polymerase	985.	succinate	1049.	transport
924.	RNA-DNA heteroduplex	986.	succinate dehydrogenase	1050.	transporters
925.	rotational freedom	987.	succinyl-CoA	1051.	triacylglycerol
926.	rRNA	988.	succinyl-CoA synthetase	1052.	tricarboxylic acid cycle
927.	RuBisCO	989.	sugar	1053.	triglycerides
928.	<i>Saccharomyces cerevisiae</i>	990.	sulfhydryl (-SH)	1054.	triose phosphate
929.	salicylic acid	991.	supercoiled	1055.	triose phosphate isomerase
930.	salt-bridges	992.	symbiotic	1056.	triose phosphate pool
931.	salvage pathway	993.	symmetry model	1057.	trisaccharide
932.	saturated	994.	symport	1058.	tRNA
933.	Schiff base	995.	systemin	1059.	tropomyosin
934.	secondary structure	996.	T & R catalytic states	1060.	trp operator
935.	sedoheptulose-1,7-bisphosphate	997.	tautomerization	1061.	trpE
936.	selenium	998.	telomerase	1062.	trpO
937.	selenocysteine	999.	telomere	1063.	trpP
938.	selenol (-SeH)	1000.	template (DNA) dependent	1064.	trypsin
939.	semiconservative model	1001.	template strand	1065.	tryptophan
940.	semiconservative replication	1002.	termination	1066.	turnover number
941.	semiquinone	1003.	tertiary structure	1067.	tyrosine
942.	sensing environmental conditions	1004.	testosterone	1068.	UAA
943.	sequenator	1005.	tetrahydrofolate	1069.	UAG
944.	sequenced	1006.	tetrahydrothiophene ring	1070.	ubiquinone
945.	sequential model	1007.	tetramer	1071.	ubiquitin
946.	serine	1008.	tetrapyrrole	1072.	UDPG
947.	serotonin (5-hydroxytryptamine or 5HT)	1009.	tetrasaccharide	1073.	UGA
948.	shikimate pathway	1010.	TG	1074.	UMP
949.	shikimic acid	1011.	the "hydrate of carbon"	1075.	uncompetitive inhibition
950.	Shine-Delgarno sequence	1012.	thermophilic bacterium	1076.	uncouplers
951.	side chain	1013.	THF	1077.	under-expressed
952.	sigma	1014.	thiamine	1078.	unesterified headgroup
953.	sigmoidal	1015.	thiamine pyrophosphate (TPP)	1079.	unsaturation
954.	single-strand binding protein (SSB)	1016.	thiazolium ring	1080.	UQ
955.	sixth coordination position	1017.	thioester	1081.	uracil
956.	snRNAs	1018.	thiolase	1082.	urea cycle
957.	SnRNAs U1, 2, 4-6	1019.	thioredoxin	1083.	uridylyate
958.	SOS response	1020.	thioredoxin reductase	1084.	uridylation/deuridylation
959.	sp <sup>3</sup> hybrids	1021.	threobromine	1085.	utilization of protein reserves
960.	sphingolipids	1022.	threose	1086.	utilization of the reducing potential
961.	sphingomyelin	1023.	thromboxanes	1087.	UTP
962.	sphingosine	1024.	thylakoid	1088.	vacuole
963.	spliced	1025.	thymidine	1089.	valeric acid
964.	spliceosome	1026.	thymidylate	1090.	Valium
965.	squalene	1027.	thymidylate synthase	1091.	van der Waals distance
966.	SSB	1028.	thymine	1092.	van der Waals forces
967.	stachyose	1029.	thymine dimers	1093.	vasodilation
968.	standard redox potential	1030.	Tm	1094.	verbascose
969.	starch	1031.	topoisomerase	1095.	vitamin
970.	starch synthase	1032.	transacetylase	1096.	VLDL
971.	stearoyl-CoA	1033.	trans-acting factors	1097.	voltage-gated ion channels
972.	stereoisomers	1034.	transacylases	1098.	water-splitting complex
973.	steroid hormones	1035.	transaldolase	1099.	Watson-Crick base pairing
974.	steroids	1036.	transamination	1100.	Wobble Hypothesis
975.	sterols	1037.	transcription factors	1101.	xanthine
976.	sticky ends	1038.	transcriptional initiation site	1102.	xanthophylls
		1039.	transcriptionally	1103.	X-ray crystallography
		1040.	transduction of signal cues	1104.	xylulose-5-phosphate

- 1105. Z conformational form
- 1106. Z scheme
- 1107. zinc finger
- 1108. zwitterionic
- 1109. zymogen