

# Glossary

---

**High School Level**

## Chemistry Glossary

---

**English / Malay**

---



Translation of Chemistry terms based on the Coursework for Chemistry Grades 9 to 12.

Word-for-word glossaries are used for testing accommodations for ELL/LEP students

---





THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

---

**P-16**

Office of Elementary, Middle, Secondary and Continuing Education and Office of Higher Education  
Office of Bilingual Education and World Languages

<http://www.emsc.nysed.gov/biling/>

**THE UNIVERSITY OF THE STATE OF NEW YORK**

**Regents of The University**

BETTY A. ROSA, <i>Chancellor</i> , B.A., M.S. in Ed., M.S. in Ed., M.Ed., Ed.D. ....	Bronx
T. ANDREW BROWN, <i>Vice Chancellor</i> , B.A., J.D. ....	Rochester
ROGER TILLES, B.A., J.D. ....	Great Neck
LESTER W. YOUNG, JR., B.S., M.S., Ed.D. ....	Beechhurst
CHRISTINE D. CEA, B.A., M.A., Ph.D. ....	Staten Island
WADE S. NORWOOD, B.A. ....	Rochester
KATHLEEN M. CASHIN, B.S., M.S., Ed.D. ....	Brooklyn
JAMES E. COTTRELL, B.S., M.D. ....	New York
JOSEPHINE VICTORIA FINN, B.A., J.D. ....	Monticello
JUDITH CHIN, M.S. in Ed. ....	Little Neck
BEVERLY L. OUDERKIRK, B.S. in Ed., M.S. in Ed. ....	Morristown
CATHERINE COLLINS, R.N., N.P., B.S., M.S. in Ed., Ed.D. ....	Buffalo
JUDITH JOHNSON, B.A., M.A., C.A.S. ....	New Hempstead
NAN EILEEN MEAD, B.A. ....	Manhattan
ELIZABETH S. HAKANSON, A.S., M.S., C.A.S. ....	Syracuse
LUIS O. REYES, B.A., M.A., Ph.D. ....	New York
SUSAN W. MITTLER, B.S., M.S. ....	Ithaca

**Commissioner of Education and President of The University**

MARYELLEN ELIA

**Executive Deputy Commissioner**

ELIZABETH R. BERLIN

The State Education Department does not discriminate on the basis of age, color, religion, creed, disability, marital status, veteran status, national origin, race, gender, genetic predisposition or carrier status, or sexual orientation in its educational programs, services and activities. Portions of this publication can be made available in a variety of formats, including braille, large print or audio tape, upon request. Inquiries concerning this policy of nondiscrimination should be directed to the Department's Office for Diversity and Access, Room 530, Education Building, Albany, NY 12234.

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
<b>A</b>	
absolute alcohol	alkohol mutlak
absolute temperature scale	skala suhu mutlak
absolute zero	sifar mutlak
absorbency	penyerapan
absorption	penyerapan
absorption coefficient	pekali penyerapan
absorption plant	tumbuhan penyerapan
absorption tube	tiub penyerapan
accelerated filtration	penapisan dipercepatkan
acceleration agent	ejen pecutan
accelerator	pemecut
accelerometer	pecutan
acceptor	penerima
accuracy	ketepatan
acetaldehyde	asetaldehid
acetone	aseton
acetylene	asetilena
acetylene series	siri asetilena
acid	asid
acidic	berasid
acid anhydride	asid anhidrida
acid-base indicator	penunjuk asid-alkali
acid-base neutralization	penetapan asid-alkali
acid-base titration	titrasi asid-alkali
acid radical	radikal asid
acid rain	hujan asid
acid salt	garam asid
acid treating	rawatan asid
acidic titrant	titran berasid
acidification	pengasidan
acidimeter or acidometer	asidimeter atau asidometer
acidity	keasidan
action	tindakan
actinide series	siri actinide
actinium	actinium
activated complex	kompleks yang diaktifkan
activated support	sokongan diaktifkan
activated water	air diaktifkan
activation	pengaktifan
activation energy	tenaga pengaktifan
activator	pengaktif
active centers	pusat aktif
activity	aktiviti
activity series	siri aktiviti
addition agent	ejen penambahan
addition polymer	polimer penambahan

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
adhesive	pelekat
adiabatic calorimeter	calorimeter adiabatik
adiabatic flame temperature	suhu api adiabatik
adsorb	menyerap
adsorbent	penjerap
adsorption	penjerapan
adsorption isobar	penjerapan isobar
adsorption isotherm	penjerapan isoterma
agent	ejen
air pressure	tekanan udara
alcohol	alkohol
aldehyde	aldehid
alicyclic hydrocarbons	hidrokarbon aliciklik
aliphatic hydrocarbons	hidrokarbon alifatik
alkalescency	alkalescency
alkali	alkali
alkali metal	logam alkali
alkane	alkane
alkane derivative	alkane derivatif
alkaline	alkali
alkaline earth metals	logam bumi beralkali
alkene	alkena
alkyl group	kumpulan alkil
alkyne	alkyne
allotrope	allotrope
allotropy	allotropy
alloy	aloi
alpha emission	pelepasan alfa
alpha particle	zarah alfa
alternating current	arus bolak balik
alum	alum
alumina	alumina
aluminate	aluminat
aluminum	aluminium
amalgam	amalgam
amino acid	asid amino
ammonia	ammonia
ammonia liquor	minuman keras ammonia
ammonification	ammonifikasi
ammonium	ammonium
ampere meter	meter ampere
amphiprotic	amfiprotik
amphoteric	amfoterik
amphoterism	amfoterisme
analysis	analisis
analytical balance	keseimbangan analisis
analytical chemistry	kimia analisis
analytical reagent	reagen analisis

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
angle	sudut
angstrom	angstrom
anhydride	anhidrida
anhydrous	anhydrous
anion	anion
anode	anod
antacid	antacid
antienzyme	antienzyme
antichlor	antiklor
antifebrin	antifebrin
antifoaming agent	ejen anti berbuih
antifreeze	antibeku
antimatter	antimatter
antimony	antimoni
antioxidant	antioksidan
antiseptic	antiseptik
aqua	akua
aqueous	akueus
argon	argon
aromatic	aromatik
arsenic	arsenik
arsenic trioxide	trioksida arsenik
arsenical	arsenik
arsenide	arsenide
artificial radioactivity	radioaktif buatan
assistant	pembantu
association	persatuan
atmosphere	atmosfera
atmospheric pressure	tekanan atmosfera
atom	atom
atomic absorption spectrometry	spektrometri penyerapan atom
atomic bond	ikatan atom
atomic mass	jisim atom
atomic mass unit	unit jisim atom
atomic pile	tumpukan atom
atomic radius	jejari atom
atomic weight	berat atom
attraction	tarikan
Avogadro's constant	pemalar Avogadro
azeotropic	azeotropik
<b>B</b>	
baking powder	serbuk penaik
baking soda	soda penaik
balance	seimbang
balanced equation	persamaan seimbang
barium	barium
barium carbonate	barium karbonat

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
barium chloride	barium klorida
barium nitrate	barium nitrat
barium sulfate	barium sulfat
barometer	barometer
barometric pressure	tekanan barometrik
base	alkali
basic anhydride	anhidrida beralkali
battery	bateri
bauxite	bauksit
beaker	bikar
beneficiation	benefisiasi
Benz-aldehyde	Benz-aldehyd
benzene ring	cincin benzena
benzene series	siri benzene
benzene sulfonic acid	asid benzena sulfonik
benzenoid	benzenoid
Benzedrine	Benzedrine
benzoic acid	asid benzoik
benzyl alcohol	benzil alkohol
berkelium	berkelium
beryllium	berilium
beta particle	zarah beta
binary compound	sebatian binari
binder	pengikat
binding energy	tenaga mengikat
biochemical	biokimia
bismuth	bismut
bleach	peluntur
blowing agent	ejen meniup
boiler scale	skala dandang
boiling	mendidih
boiling point elevation	ketinggian titik mendidih
bond	bon
bond angle	sudut ikatan
bond energy	tenaga ikatan
bonding	ikatan
borax	boraks
boric acid	asid borik
boron	boron
boron carbide	boron karbida
boron hydride	boron hydride
boron nitride	boron nitride
boron silicate	boron silikat
bottle	botol
Boyle's law	Undang-undang Boyle
brake fluid	cecair brek
branch-chain	rantai cawangan
brass	tembaga

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
brazing	brazing
breeder reactor	reaktor penternak
bright-line spectrum	spektrum garis cerah
brine	air garam
bromine	bromin
bronze	gangsa
buffer	penampan
Bunsen burner	penunu Bunsen
burette	burette
burning	pembakaran
butane	butana
butylene	butilena
butyl	butil
butyl alcohol	butil alkohol
butyric acid	asid butyric
<b>C</b>	
cadmium	kadmium
calcination	penalaan
calcite	kalsit
calcium	kalsium
calcium carbide	kalsium karbida
calcium carbonate	kalsium karbonat
calcium chloride	kalsium klorida
calcium hydroxide	kalsium hidroksida
calcium hypochlorite	kalsium hipoklorit
calcium oxide	kalsium oksida
calcium phosphate	kalsium fosfat
calcium sulfate	kalsium sulfat
californium	californium
calomel	calomel
calorie	kalori
calorimeter	calorimeter
camphor	camphor
capacity	kapasiti
carbide	karbida
carbocyclic	carbocyclic
carbohydrate	karbohidrat
carbonic acid	asid karbonik
carbon	karbon
carbon black	karbon hitam
carbon cycle	kitaran karbon
carbon dioxide	karbon dioksida
carbon disulfide	karbon disulfida
carbon monoxide	karbon monoksida
carbon tetrachloride	karbon tetraklorida
carbonate	karbonat
carbonic acid	asid karbonik

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
carboxyl	carboxyl
carboxylic acid	asid karboksilik
carburation	karburasi
carcinogen	karsinogen
carrier	pembawa
catalyst	pemangkin
catenate	katenate
cathode	katod
cell	sel
Celsius scale	Skala Celsius
centigrade	centigrade
centimeter	sentimeter
centrifugation	sentrifugasi
centrifuge	sentrifugasi
cerium	cerium
cesium	cesium
chain	rantai
chain reaction	tindakbalas berantai
change	ubah
chelate	chelate
chemical bond	ikatan kimia
chemical equation	persamaan kimia
chemical equilibrium	keseimbangan kimia
chemical property	ciri kimia
chemical reaction	tindak balas kimia
chemisorption	penjerapan kimia
chemistry	kimia
chlorate	klorat
chloride	klorida
chlorine	klorin
chlorine dioxide	klorin dioksida
chlorite	klorit
chloroform	kloroform
chlorohydrin	clorohidrin
chromatography	kromatografi
chrome green	hijau krom
chromic acid	asid kromik
chromium	kromium
chromium sulfate	kromium sulfat
circuit	litar
citric acid	asid sitrik
clamp	pengapit
classical mechanics	mekanik klasik
clay	tanah liat
cobalt	kobalt
coefficients	pekali
colligative properties	sifat colligative
collision	perlanggaran



## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
colloid chemistry	kimia koloid
colorant	pewarna
colorimeter	colorimeter
columbium	columbium
combination	gabungan
combined gas laws	undang-undang gas gabungan
combustion	pembakaran
common ion effect	kesan ion biasa
complex	kompleks
complex ion	ion kompleks
component	komponen
composite	komposit
composition	komposisi
compound	sebatian
compressed gas	gas termampat
concentrated solution	larutan pekat
concentration	kepekatan
conceptual definition	definisi konsep
condensation	pemeluwapan
condensation polymer	polimer pemeluwapan
condensation reaction	reaksi pemeluwapan
conduction	pengaliran
conductivity	kekonduksian
conductor	konduktor
configuration	konfigurasi
configurational formula	formula konfigurasi
conformation	pengesahan
Congo red	Congo merah
conjugate pair	pasangan konjugat
conservation	pemuliharaan
conservation of charge	pemuliharaan caj
constant	pemalar
constant composition law	undang-undang komposisi pemalar
constituent	konstituen
container	bekas
contaminant	pencemar
continuous spectrum	spektrum yang berterusan
controlled equipment	peralatan terkawal
conversion factor	faktor penukaran
coordinate covalent bond	menyelaraskan ikatan kovalen
copolymer	kopolimer
copper	tembaga
cork	gabus
corrosion	kakisan
covalence	kovalen
covalent bond	ikatan kovalen
covalent molecule	molekul kovalen
cover	penutup

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
cracking	retak
cresol	cresol
critical mass	jisim kritikal
critical point	titik kritikal
critical pressure	tekanan kritikal
critical temperature	suhu kritikal
crucible	kritikal
crystal	kristal
crystallization	penghabluran
cubic centimeter	sentimeter padu
curium	curium
current	semasa
curve	lengkung
cyanogen	sianogen
cyclic compound	sebatian siklik
cycloalkane	sikloalkane
cyclohexane	sikloheksana
cyclotron	siklotron
<b>D</b>	
data	data
decay rate	kadar pereputan
decomposition	penguraian
decrepitude	kemunduran
definition	definisi
dehydrating	dehidrasi
dehydration	dehidrasi
dehydrogenation	dehidrogenasi
deionized water	air terenyahion
deliquescence	deliquescence
delivery tube	tiub penghantaran
denatured alcohol	alkohol denatured
density	ketumpatan
depression	kemurungan
derivative	derivatif
destructive distillation	penyulingan yang merosakkan
detergent	bahan pencuci
deuterium	deuterium
deuteron	deuteron
developing agent	ejen membangun
dextrorotary	dextrorotary
dialysis	dialisis
diamond	berlian
diatomic gas	gas diatomik
diborane	diborane
dicarboxylic acid	asid dicarboxylic
diffusion	penyebaran
dihydroxy alcohol	alkohol dihidroksdi

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
diluent	pencair
dilute solution	mencairkan larutan
dimethyl	dimetil
dinitrobenzene	dinitrobenzene
di-olefin	di-olefin
dioxide	dioksida
dipole	dipole
direct combustion	pembakaran langsung
direct combustion reaction	reaksi pembakaran langsung
direct current	arus terus
displacement	anjakan
disproportionation	tidak seimbang
dissociation	penceriaan
distillate	sulingan
distillation	penyulingan
dolomite	dolomit
donor	penderma
dope	dadah
dot diagram	gambarajah dot
double bond	ikatan berganda
double pan balance	keseimbangan double pan
double replacement	penggantian berganda
ductility	kemuluran
dynamic equilibrium	keseimbangan dinamik
dysprosium	dysprosium
<b>E</b>	
effective collision	perlanggaran berkesan
effervescence	effervescence
efflorescence	efflorescence
einsteinium	einsteinium
electric current	arus elektrik
electrical conductivity	kekonduksian elektrik
electrochemical	elektrokimia
electrochemical cell	sel elektrokimia
electrochemistry	elektrokimia
electrode	elektrod
electrode position	kedudukan elektrod
electrolysis	elektrolisis
electrolyte	elektrolit
electrolytic conduction	pengaliran elektrolitik
electrolyze	elektrolisis
electromotive force	daya elektromotif
electromotive series	siri elektromotif
electron	elektron
electron configuration	konfigurasi elektron
electronegative	elektronegatif
electronegativity	keelektronegatifan

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
electropositive	elektropositif
electrostatic force	daya elektrostatik
electrovalence	elektrovalen
electrovalent bonding	ikatan elektrovalen
element	elemen
elevation	ketinggian
empirical formula	formula empirik
emulsion	emulsi
endothermic reaction	reaksi endoterik
endpoint	titik akhir
energy level	tahap tenaga
enthalpy	entalpi
enzyme	enzim
epoxy resin	resin epoksi
equation	persamaan
equilibrium	keseimbangan
equilibrium constant	pemalar keseimbangan
equipment	peralatan
equivalent	bersamaan
equivalent masses	jisim bersamaan
erbium	erbium
Erlenmeyer Flask	Kelalang Erlenmeyer
ester	ester
esterification	pengesteraan
ethane	etana
ethanol	etanol
ethanolamine	etanolamine
ether	eter
ethyl	etil
ethyl acetate	etil asetat
ethyl alcohol	etil alkohol
ethyl ether	etil eter
ethylamine	etilamina
ethyl benzene	etil benzena
ethylene	etilena
ethylene bromide	etilena bromida
ethylene dichloride	etilena diklorida
ethylene glycol	etilena glikol
europium	europium
eutectic	eutektik
evaporation	penyejatan
excited state	keadaan teruja
exothermic	eksotermik
experiment	eksperimen
explosive	mudah meletupan
expression	ungkapan
extensive properties	ciri-ciri yang menyeluruh
external circuit	litar luaran

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
extinguishing agent	ejen pemadam
extraction	pengekstrakan
<b>F</b>	
factice	factice
family	keluarga
fat	lemak
fatty acid	asid lemak
fatty alcohol	alkohol berlemak
feedstock	bahan mentah
fermentation	penapaian
fermentation tube	tiub penapaian
fermium	fermium
ferric	ferric
ferroalloy	ferroalloy
ferrous	ferrous
fiber	serat
file	fail
filler	pengisi
filtrate	penapis
filtration	penapisan
fission	pembelahan
fission reactor	reaktor pembelahan
fixed	tetap
flame	api
flammable material	bahan mudah terbakar
Florence flask	Kelalang Florence
flow diagram	raja alir
fluoride	fluorida
fluorocarbon	fluorokarbon
fluorspar	fluorspar
flux	fluks
force	daya
forceps Florence flask	kelalang Florence forsep
forensic chemistry	kimia forensik
formaldehyde	formaldehid
formation	pembentukan
formic acid	asid formik
formula	formula
fossil	fosil
fractional distillation	penyulingan pecahan
francium	francium
free energy	tenaga bebas
free radical	radikal bebas
freezing	pembekuan
freezing point	titik beku
freezing point depression	depresi titik pembekuan
frequency	kekerapan

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
fuel	bahan bakar
functional group	kumpulan berfungsi
fundamental particle	zarah asas
funnel	corong
fuse	sekering
fused salt	garam bersalut
fusible alloy	aloi fusible
fusion	pelakuran
fusion reactor	reaktor pelakuran
<b>G</b>	
gadolinium	gadolinium
gallium	galium
gallium arsenide	galium arsenide
galvanizing	galvanizing
gamma rays	sinar gamma
garnet	garnet
gas	gas
gasification	pengegasan
gas phase	fasa gas
glycerol	gliserol
glycol	glikol
goggles	cermin mata
gold	emas
graduated beaker	lelasan sarjana
graduated cylinder	silinder penyukat
graduated pipette	pipas lurus
graphite	grafit
gram	gram
gram atomic mass	jisim atom gram
gram equivalent mass	jisim bersamaan gram
gram molecular mass	jisim molekul gram
gram molecular volume	isipadu gram molekul
gravimetric analysis	analisis gravimetrik
gravity	graviti
grease	gris
ground state	keadaan tanah
group	kumpulan
guncotton	guncotton
<b>H</b>	
hafnium	hafnium
half-life	separuh hayat
half-reaction	reaksi separuh
halogen	halogen
hardness	kekerasan
hard water	air keras
heat	haba

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
heat exchange	pertukaran haba
heat of combustion	haba pembakaran
heat of condensation	haba pemeluwapan
heat of crystallization	haba penghabluran
heat of dilution	haba pencairan
heat of formation	haba pembentukan
heat of fusion	haba pelakuran
heat of hydration	haba penghidratan
heat of reaction	haba reaksi
heat of sublimation	panas pemejalwapan
heat of solution	haba larutan
heat of transition	haba peralihan
heat of vaporization	haba pengewapan
heat transfer	pemindahan haba
heavy hydrogen	hidrogen berat
heavy water	air berat
helium	helium
heterocyclic	heterosiklik
heterogeneous mixture	campuran heterogen
heterogeneous reaction	reaksi heterogen
hertz	hertz
high polymer	polimer tinggi
holmium	holmium
homogenous mixture	campuran homogen
homogenous reaction	tindak balas homogen
homologous series	siri homolog
homo polymer	homo polimer
holt-melt	cair-cair
humectant	humectant
hybridization	hibridisasi
hydrate	hidrat
hydration	penghidratan
hybrid	hibrid
hydrocarbon	hidrokarbon
hydrochloric acid	asid hidroklorik
hydrocyanic acid	asid hidrosianik
hydrocolloid	hidrokolloid
hydrogen	hidrogen
hydrogenation	hidrogenasi
hydrogen bomb	bom hidrogen
hydrogen bond	ikatan hidrogen
hydrogen chloride	hidrogen klorida
hydrogen cyanide	hidrogen sianida
hydrogen fluoride	hidrogen fluorida
hydrogen iodine	hidrogen iodin
hydrogen peroxide	hidrogen peroksida
hydrogen sulfide	hidrogen sulfida
hydrolysis	hidrolisis

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
hydrolysis constant	pemalar hidrolisis
hydronium ion	ion hidronium
hydrophilic	hidrofilik
hydrophobic	hidrofobik
hydroxyl group	kumpulan hidroksil
hygroscopic	hygroscopic
hypochlorite	hipoklorit
hypothesis	hipotesis
<b>I</b>	
ideal gas	gas ideal
identity period	tempoh identiti
immiscible	tidak dapat dijumpai
impermeable	tidak dapat ditembusi
impingement black	hitam hentaman
impregnation	impregnasi
increment	kenaikan
impurity	kekotoran
indanthrene blue	biru indanthrene
Indian red	Merah India
indium	indium
indicator	penunjuk
industrial alcohol	alkohol perindustrian
inert	inert
inertia	inersia
industrial diamonds	berlian industri
inflammable	mudah terbakar
infrared spectroscopy	spektroskopi inframerah
inhibitor	perencat
initiating explosive	memulakan ledakan
initiator	pemula
inorganic analysis	analisis bukan organik
inorganic chemistry	kimia bukan organik
insecticide	racun serangga
instrumental analysis	analisis instrumen
insulin	insulin
intensive properties	sifat intensif
interionic attraction	tarikan interionik
interface	antara muka
intermediate	perantaraan
intermetallic compound	sebatian antara logam
internal circuit	litar dalaman
interstitial	interstitial
iodine	iodin
ion	ion
ion-exchange reaction	reaksi pertukaran ion
ion-product constant of water	pemalar produk ion air
ionic conduction	pengaliran ionik



## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
ionic bonding	ikatan ionik
ionization	pengionan
ionization constant	pemalar pengionan
ionization of energy	pengionan tenaga
ionization potential	potensi pengionan
ionone	ionone
iridium	iridium
iron	besi
iron blue	biru besi
iron oxide	besi oksida
irreversible	tidak dapat dipulihkan
isolation	pengasingan
isomer	isomer
isomerization	isomerization
isopropyl alcohol	isopropil alkohol
isotactic	isotaktik
isotonic	isotonik
isotope	isotop
isotropic	isotropik
IUPAC system	Sistem IUPAC
ivory black	hitam gading
<b>J</b>	
joule	joule
<b>K</b>	
Kelvin scale	Kelvin skala
kerosene	minyak tanah
ketone	ketone
kilogram	kilogram
kinetic energy	tenaga kinetik
kinetic theory	teori kinetik
kinetics	kinetik
krypton	kripton
<b>L</b>	
laboratory burner	pembakar makmal
lactic acid	asid laktik
lactone	lactone
lake	tasik
Lanthanide series	siri Lanthanide
latent heat	haba terpendam
latent solvent	pelarut laten
lattice	kekisi
Law of Conservation of Mass	Undang-undang Pemuliharaan Jisim
lawrencium	lawrencium
lead	plumbum
lead chromate	plumbum kromat

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
level	tahap
light metal	logam ringan
lime	kapur
limestone	batu kapur
lipid	lipid
liquefaction	pencairan
liquid crystal	kristal cecair
liquor	minuman keras
liter	liter
litharge	litharge
lithium	litium
litmus	litmus
lutetium	lutetium
lye	lye
lyophilic	lyophilic
<b>M</b>	
macro analysis	analisis makro
macromolecule	makromolekul
magma	magma
magnesia	magnesia
magnesite	magnesit
magnesium	magnesium
magnet	magnet
magneto chemistry	magneto kimia
manometer	manometer
maltose	maltosa
manganese	mangan
manganese dioxide	mangan dioksida
manganic oxide	oksida mangan
mannitol	manitol
mass	jisim
mass action	tindakan jisim
mass conservation	pemuliharaan jisim
mass number	nombor jisim
matter	perkara
mechanics	mekanik
mechanism	mekanisme
medicine dropper	penitis ubat
melting	lebur
melting point	takat lebur
mendelevium	mendelevium
mercury	merkuri
mesh	mesh
metallic bond	ikatan metalik
metalloid	metalloid
metallurgy	metalurgi
methane	metana

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
methanol	metanol
methyl	metil
methyl alcohol	metil alkohol
methylamine	metilamine
microanalysis	mikroanalisis
milliliter	mililiter
mineral	mineral
mixture	campuran
miscible	boleh larut
moderator	moderator
molal boiling point elevation constant	pemalar ketinggian titik titik mendidih molal
molal freezing point depression constant	pemalar kemurungan titik pembekuan molal
molality	molality
molar solution	larutan molar
molar volume	isipadu molar
molarity	molarity
molecular	molekul
molecular formula	formula molekul
molecular mass	jisim molekul
molecular sieve	penapis molekul
mole	mol
molecule	molekul
molybdenum	molibdenum
monomer	monomer
monomolecular	monomolecular
<b>N</b>	
naphtha	nafta
naphthalene	naftalena
natural gasoline	petrol semulajadi
neodymium	neodymium
neon	neon
neptunium	neptunium
Nernst distribution law	undang-undang pengedaran Nernst
Nernst equation	persamaan Nernst
net potential	potensi bersih
neutral red	merah neutral
neutral solution	larutan neutral
neutralization	peneutralan
neutralization equivalent	bersamaan dengan peneutralan
neutron	neutron
niacin	niacin
nickel	nikel
niobium	niobium
nitrate	nitrat
nitration	penitratan
nitric acid	asid nitrik
nitric anhydride	anhidrida nitrik

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
nitric oxide	nitrik oksida
nitride	nitrida
nitrile	nitril
nitrogen	nitrogen
nitrogen family	keluarga nitrogen
nitroglycerin	nitrogliserin
nitrous acid	asid nitrous
nobelium	nobelium
noble gas	gas adi
nomenclature	tatanama
nonelectrolyte	non elektrolit
nonmetal	bukan logam
nonpolar molecule	molekul nonpolar
normal boiling point	titik didih normal
normal salt	garam biasa
normal solution	larutan biasa
normality	normal
nuclear energy	tenaga nuklear
nuclear fission	pembelahan nuklear
nuclear fuel	bahan api nuklear
nuclear fusion	pelakuran nuklear
nuclear reactor	reaktor nuklear
nucleon	nukleon
nucleus	nukleus
number	nombor
nylon	nilon
<b>O</b>	
observed value	nilai diperhatikan
octet	oktet
oil	minyak
olefin	olefin
one-hole stopper	penyumbat satu lubang
open-chain	rantaian terbuka
operational definition	definisi operasi
optical	optik
optical rotation	putaran optik
orbit	orbit
orbital	orbit
orbital pair	pasangan orbital
order	perintah
order of reaction	perintah reaksi
ore	bijih
organic	organik
organic chemistry	kimia organik
organic compound	sebatian organik
organometallic	logam organik
osmium	osmium

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
osmosis	osmosis
oxalic acid	asid oksalik
oxidation	pengoksidaan
oxidation number	nombor pengoksidaan
oxidation potential	potensi pengoksidaan
oxidation state	keadaan pengoksidaan
oxide	oksida
oxidizing agent	agen pengoksidaan
oxygen	oksigen
oxygen acid	asid oksigen
ozone	ozon
<b>P</b>	
packing	pembungkusan
pair	pasangan
palladium	paladium
paraffin series	siri parafin
partial pressure	tekanan separa
particle	zarah
particle accelerator	pemecut zarah
partition coefficient	pekali sesekat
parts per million	bahagian per juta
Pascal	Pascal
passivity	pasif
peacock blue	biru burung merak
pentane	pentane
peptide	peptida
percentage by mass	peratusan mengikut jisim
percentage composition	komposisi peratusan
percent error	ralat peratus
perchlorate	perchlorate
perfect	sempurna
perfume	minyak wangi
periodic	berkala
periodic law	undang berkala
periodic table	jadual berkala
peroxide	peroksida
Petri dish	piring petri
petroleum	petroleum
phase	fasa
phase equilibrium	keseimbangan fasa
pH meter	meter pH
phenol	fenol
phenolic	fenolik
phenolphthalein	fenoftalein
phosphorus	fosforus
photochemical oxidant	oksida fotokimia
photochemistry	fotokimia

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
photoelectric	fotoelektrik
photon	foton
physical change	perubahan fizikal
physical equilibrium	keseimbangan fizikal
physical property	ciri-ciri fizikal
physical chemistry	kimia fizikal
physio sorption	penyerapan fisio
pigment	pigmen
pigmentation	pigmentasi
pile	longgokan
pipe	paip
pipe still	paip tetap
pipette	pipet
plastic	plastik
plasticizer	plasticizer
plate theory	teori plat
platinum	platinum
plutonium	plutonium
point	titik
pOH	pOH
poison	racun
polar bond	ikatan polar
polar molecule	molekul kutub
polarization potential	potensi polarisasi
polarography	polarografi
polarographic analysis	analisis polarografi
polarographic apparatus	alat polarografi
polarographic wave	gelombang polarografi
polonium	polonium
poly	poli
polybasic acid	asid polybasic
polycarbonate	polikarbonat
polychloroprene	polikloroprena
polycondensation	polikondensasi
polycyclic	polisiklik
polyelectrolyte	polielektrolit
polyester	poliester
polyethylene	polietilena
polyethylene glycols	polietilena glikol
polyglycol	poliglisol
polyhydric alcohol	alkohol poliid
polyisoprene	poliisoprena
polymer	polimer
polymerization	pempolimeran
polypropylene	polipropilena
polystyrene	polistirena
polytetrafluoro-ethylene	polytetrafluoro-ethylene
polyvinyl acetate	polyvinyl asetat

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
polyvinyl alcohol	alkohol polivinil
polyvinyl chloride	polivinil kloride
polyvinyl ether	polivinil eter
porcelain	porselin
poromeric	poromeric
positron	positron
potash	potash
potassium	potasium
potassium nitrate	kalium nitrat
potassium permanganate	kalium permanganat
potential energy	tenaga keupayaan
potentiometric titration	titen potentiometrik
powder metallurgy	metalurgi serbuk
praseodymium	praseodymium
precipitant	pemendap
precipitate	mendakan
precipitation	pemendakan
precipitation titration	titrasi hujan
prepolymer	prepolymer
preservative	pengawet
prill	prill
primary alcohol	alkohol utama
producer gas	gas pengeluar
product	produk
promethium	prometium
promoter	penggalak
proof	bukti
property	ciri-ciri
propionic acid	asid propionik
propyl	propil
propylene	propilena
protactinium	protactinium
proteolysis reaction	reaksi proteolisis
proton acceptor	penerima proton
proton donor	penderma proton
Prussian blue	biru Prussian
purity	kesucian
pyrites	pyrites
pyrolysis	pirolisis
pyrrole	pyrrole
pyruvic acid	asid piruvat
<b>Q</b>	
qualitative analysis	analisis kualitatif
quality control	kawalan kualiti
quanta	quanta
quantitative analysis	analisis kuantitatif
quartz	kuarza

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
quinine	kuinina
<b>R</b>	
radiation	Radiografi kualitatif
radical	radikal
radioactive decay	pereputan radioaktif
radioactive series	siri radioaktif
radioactivity	radioaktif
radiocarbon	radiokarbon
radioisotope	radioisotop
radium	radium
radius	radius
radon	radon
rare	nadir
rare earth	nadir bumi
rare gas	gas nadir
rare metals	logam nadir
rate-determining step	langkah menentukan kadar
ray	ray
reactant	reaktan
reaction mechanism	mekanisme reaksi
reaction rate	kadar reaksi
reagent	reagen
rearrangement	penyusunan semula
reaction	reaksi
reactor	reaktor
reclaiming	menuntut semula
rectification	pembetulan
redox reaction	reaksi redoks
reducing agent	ejen penurunan
reducing flame	api penurunan
reduction	penurunan
reduction potential	potensi penurunan
refining	penapisan
reflux	refluks
refrigerant	penyejuk
regeneration	penjanaan semula
reinforcing agent	agen pengukuhan
repellent	penolak
replacement	penggantian
replication	replikasi
reversible reaction	tindak balas boleh balik
rhodium	rhodium
rhodium	rhodium
ribonucleic acid (RNA)	asid ribonukleik (RNA)
ring	cincin
ring stand	penyokong cincin
ring structure	struktur cincin



CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
rod	rod
rubber	getah
rubidium	rubidium
ruby	delima
rust	karat
ruthenium	ruthenium
<b>S</b>	
saccharose	sakarosa
salt	garam
salt soda	soda garam
salt bridge	jambatan garam
samarium	samarium
saponification	saponifikasi
sapphire	safir
saturated compound	sebatian tepu
saturated solution	larutan tepu
scale	skala
scandium	scandium
scavenger	pemulung
scientific data	data saintifik
scientific method	cara saintifik
scientific name	nama saintifik
scientific notation	notasi saintifik
scissors	gunting
sealant	pengedap
sedimentation	pemendapan
sedimentary rock	batu sedimen
sedimentation potential	potensi pemendapan
secondary alcohol	alkohol sekunder
seed crystal	kristal benih
selenium	selenium
semiconductor	semikonduktor
semi microanalysis	separa mikroanalisis
semipermeable	separa telap
semisynthetic	separa sintetik
sequestering agent	ejen penyingkiran
series	siri
serum	serum
sewage treatment	rawatan kumbahan
shell	cangkerang
silica gel	gel silika
silicate	silikat
silicon	silikon
silicon carbide	silikon karbida
silicone	silikon
silicone oil	minyak silikon
silver	perak

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
single replacement	pengganti tunggal
sinter	sinter
sintered crucible	mangkuk pijar disinter
slow oxidation	pengoksidaan perlahan
sludge	enap cemar
slurry	buburan
smelt	mencium
smog	asap
soda	soda
soda ash	abu soda
sodium	natrium
sodium chloride	natrium klorida
sodium hydroxide	natrium hidroksida
sol	sol
solid solution	larutan pepejal
solidus	solidus
solubility	kelarutan
solubility curve	keluk kelarutan
solubility product constant	pemalar produk kelarutan
solubility product expression	ungkapan produk kelarutan
solute	larut
solution	larutan
solution equilibrium	keseimbangan larutan
solvent	pelarut
sour	masam
specific heat	haba tertentu
specific gravity	graviti tertentu
spectral lines	garis spektrum
spectrometer	spektrometer
spectroscopy	spektroskopi
spontaneous chemical change	perubahan kimia spontan
spontaneous ignition	pencucuhan spontan
stability	kestabilan
stability constant	pemalar kestabilan
stabilization	penstabilan
stabilizer	penstabil
stable compound	kompaun yang stabil
stain	noda
standard calomel electrode	elektrod calomel piawaian
standard condition	keadaan piawaian
standard electrode potential	potensi elektrod piawaian
standard heat of formation	habapiawaian pembentukan
standard oxidation-reduction potential	potensi pengurangan pengoksidaan piawai
standard pressure	tekanan piawai
standard solution	larutan piawaian
starch	kanji
state	negeri
steam distillation	penyulingan wap

## CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
stearic acid	asid stearik
steel	keluli
stereochemistry	stereokimia
stereoisomer	stereoisomer
stoichiometry	stoikiometri
stopper	penyumbat
STP	STP
straight-chain compound	sebatian rantaian lurus
strip	jalur
strong acid	asid kuat
strong base	alkali kuat
strong electrolyte	elektrolit kuat
strontium	strontium
structural formula	formula struktur
subatomic particle	zarah subatomik
sublevel	sublevel
sublimate	sublimat
sublimation	pemejalwapan
sublime	mejalwap
subliminal	subliminal
subscript	subskrip
subshell	subshell
substance	bahan
substituent	substituen
substitution reaction	reaksi penggantian
substrate	substrat
sucrose	sukrosa
sulfur	sulfur
sulfuric acid	asid sulfurik
super cooled	super sejuk
super oxides	super oksida
supersaturated solution	larutanlarutan supertepu
supersaturating	supersaturating
surface	permukaan
surface activity	aktiviti permukaan
surface-active agent	agen aktif permukaan
surface area	kawasan permukaan
surface chemistry	kimia permukaan
surface orientation	orientasi permukaan
surface reaction	tindak balas permukaan
surface tension	ketegangan permukaan
suspension	penggantungan
symbol	simbol
synchrotron	synchrotron
syndetic	syndetik
synthesis	sintesis
synthesis gas	gas sintesis
synthetic resin	resin sintetik

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
<b>T</b>	
tantalum	tantalum
tar	tar
tartaric acid	asid tartarik
technetium	technetium
technology	teknologi
tellurium	tellurium
temperature	suhu
terbium	terbium
terephthalic acid	asid terephthalic
ternary	pertigaan
ternary acid	asid pertigaan
tertiary alcohol	alkohol tersier
terylene	terylene
test tube	tabung uji
test tube holder	pemegang tiub ujian
test tube rack	rak tiub ujian
tetrachloride	tetraklorida
tetra fluoride ethylene (ethylene tetrafluoride)	etilena tetra fluorida (etilena tetrafluorida)
tetramer	tetramer
thallium	thallium
theoretical plate	plat teori
theory	teori
thermal diffusion	penyebaran haba
thermal polymerization	pempolimeran haba
thermite	termite
thermo balance	keseimbangan termo
thermochemistry	termokimia
thermocouple	termokopel
thermoform	thermoform
thermonuclear device	peranti termonuklear
thermonuclear reaction	reaksi termonuklear
thermoplastic	termoplastik
thermosetting	termoset
thiamine	thiamine
thiol	thiol
thistle tube	tiub thistle
thorium	thorium
thulium	thulium
tin	timah
tincture	berwarna
titanium	titanium
titrant	titran
titration	titisan
toluene	toluene
toner	toner
tongs	tong

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
torr	torr
trace element	unsur surih
tracer	pengesan
transfer pipette	memindahkan pipet
transference number	nombor pemindahan
transition element	elemen peralihan
transition series	siri peralihan
transmutation	transmutasi
transuranic element	unsur transuranik
triad	triad
trichloroethylene	trikloroetilena
tricyclic	tricyclic
tri-ethanolamine	tri-ethanolamine
tri-ethyl-aluminum	tri-etil-aluminium
triglyceride	trigliserida
tri hydroxide alcohol	alkohol tri hidroksida
trioxide	trioksida
triple beam balance	baki balok tigaan
triple bond	ikatan tigaan
triple point	titik tigaan
tritium	tritium
true solution	larutanlarutan benar
tubing	tiub
tungsten	tungsten
tungsten carbide	tungsten carbide
two-hole stopper	penyumbat dua lubang
<b>U</b>	
ultimate analysis	analisis muktamad
ultraviolet radiation	radiasi ultra ungu
uncertainty principle	prinsip ketidakpastian
uniform dispersion	penyebaran seragam
unit	unit
unsaturated component	komponen tak tepu
<b>V</b>	
vacancy	kekosongan
vacuum condensing point	titik pemeluwapan vakum
vacuum crystallization	penghabluran vakum
vacuum crystallizer	crystallizer vakum
vacuum distillation	penyulingan vakum
valence	valensi
valence electrons	elektron valensi
vanadium	vanadium
Van der Waals force	daya Van der Waals
Van't Hoff equation	persamaan Van't Hoff
Van't Hoff isochore	Van't Hoff isochore
Van't Hoff isotherm	Isoterma Van't Hoff

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
vapor	wap
vapor pressure	tekanan wap
vapor pressure depression	kemurungan tekanan wap
vehicle	kenderaan
velocity	halaju
velocity of light	halaju cahaya
vicinal	vicinal
vinegar	cuka
vinyl	vinil
vinyl chloride	vinil klorida
viscosity	kelikatan
viscous liquid	cecair likat
vitreous	vitreous
volatile	menguap
volatility	penguapan
volatilize	menguap
volt	volt
voltaic cell	sel voltaik
volume	isipadu
volume bottle	isipadu botol
volumetric analysis	analisis volumetrik
volumetric flask	kelalang volumetrik
volumetric pipette	pipet volumetrik
vulcanization	pemvulkanan
<b>W</b>	
water	air
water gas	gas air
water glass	gelas air
water of crystallization	air penghabluran
water softening	melembutkan air
water pollution	pencemaran air
water vapor	wap air
wave	gelombang
wave length	panjang gelombang
wave velocity	halaju gelombang
waxes	lilin
weak acid	asid lemah
weak base	alkali lemah
weak electrolyte	elektrolit lemah
weighing bottle	seberat botol
weight	berat badan
wire gauze	kain kasa
wood alcohol	kayu alkohol

CHEMISTRY GLOSSARY - HIGH SCHOOL LEVEL

ENGLISH	MALAY
<b>X</b>	
xenon	xenon
X-rays	Sinaran-X
xylene	xylene
<b>Y</b>	
yeast	yis
ytterbium	ytterbium
yttrium	yttrium
<b>Z</b>	
zeolite	zeolit
zero group	kumpulan sifar
zinc	zink
zirconium	zirkonium
zone refining	penapisan zon