

Pearson Edexcel · International A-Level · Chemistry

Glossary · every term in the course, A–Z

English
acid
/ˈæsɪd/
activation energy
/ˌæktɪˈveɪʃn ˈenədʒi/
acyl chloride
/əˈkɪl ˈklɔːraɪd/
addition polymerisation
/əˈdɪʃn ˌpɒlɪməraɪˈzeɪʃn/
aldehyde
/ˈældɪhaɪd/
aliphatic
/ˌæliˈfætɪk/
aliquots
amide
/əˈmaɪd/
amine
/ˈæmaɪn/
amino acid
/əˈmiːnəʊ ˈæsɪd/
amount concentration
amphoteric
/ˌæmfəʊˈterɪk/
anhydrous
/ænˈhaɪdrəs/
arene
/ˈæren/
atom
/ˈætəm/
atom economy
/ˈætəm ɪˈkɒnəmi/
atomic number
/əˈtɒmɪk ˈnʌmbə/
atomisation
/əˌtɒmaɪˈzeɪʃn/

English
autocatalyst
azo
base
/beɪs/
bidentate
/baɪˈdentet/
biodegradable
/ˌbaɪəʊdɪˈɡreɪdəbl/
bond angle
/bɒnd ˈæŋɡl/
bond length
/bɒnd leŋθ/
buffer solution
/ˈbʌfə səˈluːʃn/
carbocation
/ˌkɑːbəˈkeɪʃn/
carbon neutrality
carbonyl
/ˈkɑːbənaɪl/
catalyst
/ˈkætəlaɪst/
chelate
chiral centre
/ˈkaɪrəl ˈsentə/
chromatography
/krəʊməˈtɒɡrəfi/
complex ion
/ˈkɒmpleks ˈaɪən/
compound
/ˈkɒmpaʊnd/
concordant
condensation
/kɒndənˈseɪʃn/
conductivity
/kɒndəktɪvɪti/
conjugate
/ˈkɒndʒuːɡeɪt/

English
 coordinate bond /kəʊˈdinət bɒnd/

coordination number

/kəʊˈdineɪʃn ˈnʌmbə/

covalent bond

/ˈkəʊvələnt bɒnd/

delocalised

/diˈlɒkəlaɪzd/

diazonium

dipoles

disproportionation

/ˌdɪsprəˈpɔːʃəneɪʃn/

dissociation

Distillation

/dɪstrɪˈleɪʃn/

Dynamic equilibrium

/daɪˈnæmɪk ˌiːkwɪˈlɪbriəm/

E/Z isomerism

electron affinity

/ɪˈlektrɒn əˈfinɪti/

electronegativity

/ɪˌlektrəŋɡəˈtɪvɪti/

electrophile

/ɪˌlektrəʊˈfaɪl/

electrophilic substitution

/ɪˌlektrəʊˈfɪlɪk ˌsəbstɪˈtjuːʃn/

element

/ˈelɪmənt/

empirical formula

/ɛmˈpɪrɪkl ˈfɔːmjʊlə/

enantiomers

/ɛˈnæntiəməz/

endothermic

/ˌɛndəʊˈθɜːmɪk/

enthalpy change

/ɛnˈθælpi tʃeɪndʒ/

Entropy

/ˈɛntrəpi/

English
 equilibrium constant /ˌiːkwɪˈlɪbriəm ˈkɒnstənt/

equivalence

/ɪˈkwɪvələns/

exothermic

/ɛɡzəˈθɜːmɪk/

extraction

/ɛkˈstrækʃn/

Fragment ions

free radical

/friː ˈrædɪkl/

fuel cell

/ˈfjuːəl sel/

functional group

/ˈfʌŋkʃənl ɡruːp/

Grignard reagent

half-cell

/haːf sel/

half-equations

/haːf ɪˈkweɪʒnz/

half-life

/haːf laɪf/

hazard

/ˈhæzəd/

Hess’s law

/ˈhesɪz lɔː/

Heterolytic

heterolytic fission

/ˌhetrəˈlɪtɪk ˈfiʃn/

hexadentate

homologous series

/həˈmɒləɡəs ˈsiəriːz/

homolytic fission

/ˌhɒməˈlɪtɪk ˈfiʃn/

Hydration enthalpy

hydrogen bond

/ˈhaɪdrədʒn bɒnd/

English	
hydrolysis	
/haɪ'drɒləsɪs/	
indicator	
/ˈɪndɪkətə/	
integrated areas	
ion	
/ˈaɪɒn/	
ionic bond	
/aɪˈɒnɪk bɒnd/	
ionisation energy	
/ˌaɪənaɪˈzeɪʃn ˈenədʒi/	
isotopes	
/ˈaɪsətaʊps/	
Kinetic stability	
lattice energy	
/ˈlætɪs ˈenədʒi/	
ligand	
/ˈlɪgænd/	
ligand exchange	
/ˈlɪgænd ɛksˈtʃeɪndʒ/	
limiting reagent	
/ˈlɪmɪtɪŋ rɪˈeɪdʒənt/	
London forces	
mass concentration	
/mæs ˌkɒnsənˈtreɪʃn/	
mass number	
/mæs ˈnʌmbə/	
mass-to-charge ratio	
/mæs tə ʃɑːdʒ ˈreɪʃiəʊ/	
Maxwell–Boltzmann	—
mean bond enthalpy	
mobile	
molar mass	
/ˈməʊlə mæs/	
mole	
/məʊl/	

English	
molecular formula	
/məˈlekjələ ˈfɔːmjələ/	
molecular-ion peak	
molecule	
/'mɒlɪkjʊːl/	
monodentate	
/ˈmɒnəʊdenteɪt/	
neutralisation	
/ˌnjuːtrəlaɪˈzeɪʃn/	
nitronium	
nucleophile	
/'njuːklɪəfaɪl/	
nucleophilic addition	
/ˌnjuːklɪəˈfɪlɪk əˈdɪʃn/	
octahedral	
/ˌɒktəˈhiːdrəl/	
orbital	
/'ɔːbɪtl/	
order	
/'ɔːdə/	
oxidation number	
/ˌɒksɪˈdeɪʃn ˈnʌmbə/	
oxidising agent	
/'ɒksɪdaɪzɪŋ ˈeɪdʒənt/	
partial pressure	
/'paːʃl ˈpreʃə/	
parts per million	
peptide bond	
/'peptʰaɪd bɒnd/	
percentage yield	
/pəˈsentɪdʒ ʒiːld/	
periodicity	
/ˌpɪərɪˈɒːdɪsɪti/	
pi bond	π
/paɪ bɒnd/	
polar molecules	
polarisability	

English
polarising power
polyamide
polydentate
polyester
pre-equilibrium
precipitate
racemic mixture
rate constant
rate equation
rate-determining step
Recrystallisation
reducing agent
reflux
relative abundance
relative atomic mass
relative formula mass
relative molecular mass
repeat unit
retention time
risk
salt bridge

English
shielding
sigma bond
square planar
standard electrode potential
standard hydrogen electrode
standard solution
stationary
structural isomers
tetrahedral
Thermodynamic stability
total entropy change
transition element
volumetric flask
zwitterion