

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

/əˈtɒmaɪˈzeɪʃn/

English

autocatalyst

azo

base

/beɪs/

bidentate

/baɪ'dentet/

biodegradable

/ˌbaɪəʊdɪ'greɪdəbl/

bond angle

/bɒnd 'æŋɡl/

bond length

/bɒnd leŋθ/

buffer solution

/'bʌfə sə'lʊ:ʃn/

carbocation

/ˌkɑ:bə'keɪʃn/

carbon neutrality

carbonyl

/'kɑ:bənɪl/

catalyst

/'kætəlist/

chelate

chiral centre

/'kairəl 'sentə/

chromatography

/krəʊmə'tɒɡrəfi/

complex ion

/'kɒmpleks 'aɪən/

compound

/'kɒmpaʊnd/

concordant

condensation

/kɒnden'seɪʃn/

conductivity

/kɒndəktɪvɪti/

conjugate

/'kɒndʒu:geɪt/

English

coordinate bond

/kəʊ'ɔːdɪnət bɒnd/

coordination number

/kəʊ'ɔːdɪneɪʃn 'nʌmbə/

covalent bond

/'kəʊvələnt bɒnd/

delocalised

/dɪ'ləkəlaɪzd/

diazonium

dipoles

disproportionation

/ˌdɪsprə'pɔːʃəneɪʃn/

dissociation

Distillation

/dɪstɪ'leɪʃn/

Dynamic equilibrium

/daɪ'næmɪk ˌɪːkwɪ'lɪbrɪəm/

E/Z isomerism

electron affinity

/ɪ'lektɹən ə'fɪnɪti/

electronegativity

/ɪˌlektɹəŋɡə'tɪvɪti/

electrophile

/ɪˌlektɹəʊ'faɪl/

electrophilic substitution

/ɪˌlektɹəʊ'fɪlɪk ˌsʌbstɪ'tjuːʃn/

element

/'elɪmənt/

empirical formula

/em'pɪrɪkl 'fɔːmjʊlə/

enantiomers

/e'næntɪəməz/

endothermic

/ˌendəʊ'θɜːmɪk/

enthalpy change

/en'θælpi tʃeɪndʒ/

Entropy

/'entrəpi/

English

equilibrium constant

/ˌiːkwɪˈlɪbrɪəm ˈkɒnstənt/

equivalence

/ɪˈkwɪvələns/

exothermic

/egzəˈðɜːmɪk/

extraction

/ekˈstrækʃn/

Fragment ions

free radical

/friː ˈrædɪkl/

fuel cell

/ˈfjuːəl sel/

functional group

/ˈfʌŋkʃənl gruːp/

Grignard reagent

half-cell

/hɑːf sel/

half-equations

/hɑːf ɪˈkweɪʒnz/

half-life

/hɑːf laɪf/

hazard

/ˈhæzəd/

Hess's law

/ˈhesɪz lɔː/

Heterolytic

heterolytic fission

/ˌhetrəˈlɪtɪk ˈfɪʃn/

hexadentate

homologous series

/həˈmɒləgəs ˈsɪəriːz/

homolytic fission

/ˌhɒməˈlɪtɪk ˈfɪʃn/

Hydration enthalpy

hydrogen bond

/ˈhaɪdrədʒn bɒnd/

English

hydrolysis

/haɪ'drɒləsɪs/

indicator

/'ɪndɪkətə/

integrated areas

ion

/'aɪɒn/

ionic bond

/aɪ'ɒnɪk bɒnd/

ionisation energy

/,aɪənaɪ'zeɪʃn 'enədʒi/

isotopes

/'aɪsətəʊps/

Kinetic stability

lattice energy

/'lætɪs 'enədʒi/

ligand

/'lɪgænd/

ligand exchange

/'lɪgænd eks'tʃeɪndʒ/

limiting reagent

/'lɪmɪtɪŋ rɪ'eɪdʒənt/

London forces

mass concentration

/mæs ,kɒnsən'treɪʃn/

mass number

/mæs 'nʌmbə/

mass-to-charge ratio

/mæs tə tʃɑːdʒ 'reɪʃiəʊ/

Maxwell–Boltzmann

—

mean bond enthalpy

mobile

molar mass

/'mɒlə mæs/

mole

/məʊl/

English

molecular formula

/məˈlekjələ ˈfɔːmjələ/

molecular-ion peak

molecule

/ˈmɒlɪkjʊːl/

monodentate

/ˈmɒnəʊdentet/

neutralisation

/ˌnjuːtrəlaɪˈzeɪʃn/

nitronium

nucleophile

/ˈnjuːklɪfəɪl/

nucleophilic addition

/ˌnjuːklɪəˈfɪlɪk əˈdɪʃn/

octahedral

/ˌɒktəˈhiːdrəl/

orbital

/ˈɔːbɪtl/

order

/ˈɔːdə/

oxidation number

/ˌɒksɪˈdeɪʃn ˈnʌmbə/

oxidising agent

/ˈɒksɪdaɪzɪŋ ˈeɪdʒənt/

partial pressure

/ˈpɑːʃl ˈpreʃə/

parts per million

peptide bond

/ˈpeptaid bɒnd/

percentage yield

/pəˈsentɪdʒ jiːld/

periodicity

/ˌpɪərɪˈɒdɪsɪti/

pi bond

π

/paɪ bɒnd/

polar molecules

polarisability

English

polarising power

polyamide

/ˌpɒlɪ'eɪmaɪd/

polydentate

/ˌpɒlɪ'dentet/

polyester

/ˌpɒlɪ'estə/

pre-equilibrium

/priː ˌiːkwɪ'libriəm/

precipitate

/prɪ'sɪpɪteɪt/

racemic mixture

/rə'siːmɪk 'mɪkstʃə/

rate constant

/reɪt 'kɒnstənt/

rate equation

/reɪt r'kweɪʒn/

rate-determining step

/reɪt dɪ'tɜːmɪnɪŋ step/

Recrystallisation

reducing agent

/rɪ'djuːsɪŋ 'eɪdʒənt/

reflux

/'rɪːflʌks/

relative abundance

/'relatɪv ə'bʌndəns/

relative atomic mass

/'relatɪv ə'tɒmɪk mæs/

relative formula mass

/'relatɪv 'fɔːmjʊlə mæs/

relative molecular mass

/'relatɪv mə'lekjʊlə mæs/

repeat unit

/rɪ'piːt 'juːnɪt/

retention time

/rɪ'tenʃn taɪm/

risk

/rɪsk/

salt bridge

English

shielding

/ˈʃiːldɪŋ/

sigma bond

σ

/ˈsɪgmə bɒnd/

square planar

/skweə ˈpleɪnə/

standard electrode
potential

/ˈstændəd ɪˈlektroʊd pəˈtenʃl/

standard hydrogen
electrode

/ˈstændəd ˈhaɪdrədʒn ɪˈlektroʊd/

standard solution

stationary

/ˈsteɪʃənəri/

structural isomers

/ˈstrʌktʃərəl ˈaɪsəməz/

tetrahedral

/ˌtetrəˈhiːdrəl/

Thermodynamic stability

total entropy change

transition element

/trænˈsɪʃn ˈelɪmənt/

volumetric flask

zwitterion

/zwɪˈtɪəriən/
