

AQA · GCSE · Chemistry

Glossary · every term in the course, A–Z

English

accurate

acid rain

/ˈæsɪd reɪn/

activation energy

/ˌæktɪˈveɪʃn ˈenədʒi/

addition

/əˈdɪʃn/

addition polymerisation

/əˈdɪʃn ˌpɒlɪməraɪˈzeɪʃn/

aerobic biological treatment

/eəˈrəʊbɪk ˌbaɪəˈlɒdʒɪkl ˈtri:tmənt/

alcohol

/ˈælkəhɒl/

algae

/ˈælgiː/

Alkali metals

/ˈælkəlaɪ ˈmetlz/

alkaline battery

alkane

/ˈælkəɪn/

alkene

/ˈælkɪːn/

alloy

/ˈæloɪ/

amino acid

/əˈmiːnəʊ ˈæsɪd/

ammonium chloride

/æˈməʊniəm ˈklɔːraɪd/

anaerobic digestion

/ˌæneəˈrəʊbɪk daɪˈdʒestʃn/

anhydrous

/ænˈhaɪdrəs/

anion

/ˈænaɪən/

English

anode

/ˈænəʊd/

anomaly

atom

/ˈætəm/

atom economy

/ˈætəm ɪˈkɒnəmi/

atomic number

/əˈtɒmɪk ˈnʌmbə/

Avogadro constant

/ˌævəˈɡædrəʊ ˈkɒnstənt/

balanced

/ˈbælənst/

barium chloride

base

/beɪs/

baseline

/ˈbeɪsləɪn/

battery

/ˈbætəri/

best-fit line

/best fit laɪn/

binder

/ˈbaɪndə/

bioleaching

/ˌbaɪəʊˈliːtʃɪŋ/

biomass

/ˌbaɪəʊˈmæs/

bond energy

/bɒnd ˈenədʒi/

burette

/bjuːəˈret/

by-product

/baɪ ˈprɒdʌkt/

calibration

/ˌkæliˈbreɪʃn/

carat

/ˈkæræt/

English

carbon footprint

/ˈkɑːbən ˈfʊtprɪnt/

carbon monoxide

/ˈkɑːbən mʌˈnɒksaɪd/

carbon nanotube

/ˈkɑːbən ˌnænəʊˈtjuːb/

carbonate

/ˈkɑːbəneɪt/

carboxylic acid

/ˌkɑːbəkˈsɪlɪk ˈæsaɪd/

catalyst

/ˈkætəlaɪst/

catalytic converter

/ˌkætəˈlɪtɪk kənˈvɜːtə/

cathode

/ˈkæθəʊd/

cation

/ˈkætəɪən/

cell

/sel/

charge carrier

/tʃɑːdʒ ˈkæriə/

chemical analysis

/ˈkemɪkl əˈnæləsaɪs/

chemical reaction

/ˈkemɪkl rɪˈækʃn/

chloride

/ˈklɔːraɪd/

chromatography

/krəʊməˈtɒɡrəfi/

closed system

/kləʊzd ˈsɪstəm/

coal

/kəʊl/

collision theory

/kəˈlɪʒn ˈθiəri/

combustion

/kəmˈbʌstʃn/

composite

/ˈkɒmpəzɪt/

English

compound

/ˈkɒmpaʊnd/

concentration

/ˌkɒnsənˈtreɪʃn/

conclusion

/kənˈkluːʒn/

concordant titres

/kənˈkɔːdənt ˈtɪtəz/

condensation

/kɒndənˈseɪʃn/

condensation

polymerisation

/kɒndənˈseɪʃn ˌpɒlɪməraɪˈzeɪʃn/

conical flask

conservation of mass

/ˌkɒnsəˈveɪʃn ɒv mæs/

contamination

/kənˌtæmɪˈneɪʃn/

corrosion

/kəˈrɒʒn/

covalent bond

/ˈkəʊvələnt bɒnd/

cracking

/ˈkrækɪŋ/

crude oil

/kruːd ɔɪl/

cryolite

/ˈkraɪəlaɪt/

crystal

crystallisation

/ˌkrɪstəlaɪˈzeɪʃn/

crystallise

/ˈkrɪstəlaɪz/

deforestation

/diːˌfɒrɪˈsteɪʃn/

dehydration

/ˌdiːhaɪˈdreɪʃn/

delivery tube

English

delocalised electron

/dɪ'lɒkəlaɪzd ɪ'lektɹɒn/

desalination

/dɪ,sæli'neɪʃn/

detection limit

diamond

/'daɪəmənd/

dilute hydrochloric acid

displacement

/dɪ'spleɪsmənt/

dissolving

distillation

/dɪstɪ'leɪʃn/

double bond

/'dʌbl bɒnd/

double helix

/'dʌbl 'hi:lɪks/

dynamic equilibrium

/daɪ'næmɪk ˌɪkwɪ'brɪəm/

effervescence

/,efə'vesəns/

effluent

/'efluːənt/

electrode

/ɪ'lektɹəd/

electrolysis

/ɪlek'trɒləsɪs/

electrolyte

/ɪ'lektɹəlaɪt/

electron

/ɪ'lektɹɒn/

electrostatic force

/ɪ'lektɹəv'stætɪk fɔːs/

element

/'elɪmənt/

endothermic

/,endəv'θɜːmɪk/

energy levels

/'enədʒi 'levlz/

English

enzyme

/ˈenzaim/

equilibrium position

ester

/ˈestə/

ethyl ethanoate

/ˈiːθaɪl ˈeθənəʊt/

excess

/ekˈses/

exothermic

/egzəˈðɜːmɪk/

external circuit

/ekˈstɜːnl ˈsɜːkɪt/

feedstock

/ˈfiːdstɒk/

fermentation

/fɜːmənˈteɪʃn/

fertiliser

/ˈfɜːtəlaɪzə/

filter

/ˈfɪltə/

filtrate

/ˈfɪltreɪt/

filtration

/fɪlˈtreɪʃn/

finite resource

/ˈfaɪnaɪt rɪˈzɔːs/

flame emission spectroscopy

/fleɪm ɪˈmɪʃn spekˈtrɒskəpi/

flame test

/fleɪm test/

flammability

/ˌflæməˈbɪlɪti/

formulation

/ˌfɔːmjəˈleɪʃn/

fossil fuel

/ˈfɒsl ˈfjuːəl/

fraction

/ˈfrækʃn/

English

fractional distillation

/ˈfrækʃənl dɪstrɪˈleɪʃn/

fuel cell

/ˈfjuːəl sel/

fullerene

/ˈfʊləren/

functional group

/ˈfʌŋkʃənl gruːp/

gas syringe

/gæs sɪˈrɪndʒ/

giant covalent structure

/ˈdʒaɪənt ˈkəʊvələnt ˈstrʌktʃə/

global climate change

/ˈgləʊbl ˈklaɪmət tʃeɪndʒ/

global dimming

/ˈgləʊbl ˈdɪmɪŋ/

glowing splint

/ˈgləʊɪŋ splɪnt/

gradient

/ˈɡreɪdɪənt/

graphene

/ˈɡræfiːn/

graphite

/ˈɡræfaɪt/

greenhouse effect

/ˈɡriːnhaʊs ɪˈfekt/

greenhouse gas

/ˈɡriːnhaʊs gæs/

group

/gruːp/

Haber process

/ˈheɪbə ˈprəʊses/

half equation

/hɑːf ɪˈkweɪʒn/

half-equation

/hɑːf ɪˈkweɪʒn/

halide

/ˈhælaɪd/

halogen

/ˈhælədʒn/

English

hand warmer

hydrated copper sulfate

/haɪ'dreɪtɪd 'kɒpə 'sʌlfet/

hydration

/haɪ'dreɪʃn/

hydrocarbon

/'haɪdrəka:bən/

hydroxide

/haɪ'drɒksaɪd/

hypothesis

/haɪ'pɒθəsis/

impurity

incomplete combustion

/ɪŋkəm'pli:t kəm'bʌstʃn/

inert electrode

/ɪ'nɜ:t ɪ'lektroʊd/

infrared radiation

/ɪnfra'red ,reɪdɪ'eɪʃn/

insoluble

/ɪn'sɒljʊ:bl/

instant cold pack

instantaneous rate

/ɪnstən'teɪniəs reɪt/

instrumental method

/ɪnstrə'mentl 'meθəd/

insulation

/ɪnsju:'leɪʃn/

intermolecular force

/ɪntəmə'lekjʊlə fɔ:s/

ionic bond

/aɪ'ɒnɪk bɒnd/

ionic compound

/aɪ'ɒnɪk 'kɒmpaʊnd/

ionic lattice

/aɪ'ɒnɪk 'lætɪs/

ionised

isotope

/'aɪsətəʊp/

English

kinetic energy

/kɪ'netɪk 'enədʒi/

landfill

/'lændfɪl/

lattice

/'lætɪs/

Le Chatelier principle

/lə 'tʃetliə 'prɪnsɪpl/

leachate

/'li:tʃet/

life cycle

life cycle assessment

/laɪf 'saɪkl ə'sesmənt/

lighted splint

limestone

/'laɪmstəʊn/

limewater

/'laɪmwɔ:tə/

limiting reactant

/'lɪmɪtɪŋ rɪ'æktənt/

line representation

/laɪn ,reprɪ'zenteɪʃn/

line spectrum

/laɪn 'spektrəm/

litmus paper

lone pair

/ləʊn peə/

magnesium ribbon

mass concentration

/mæs ,kɒnsən'treɪʃn/

mass number

/mæs 'nʌmbə/

matrix

/'meɪtrɪks/

mean

/mi:n/

mean rate

/mi:n reɪt/

English

measuring cylinder

/ˈmeɪʒərɪŋ ˈsɪlɪndə/

melting point

/ˈmeltɪŋ pɔɪnt/

Mendeleev

/ˈmendliːv/

meniscus

/ˈmenɪskəs/

metallic bond

/məˈtælk bɒnd/

methane

/ˈmiːθeɪn/

mixture

/ˈmɪkstʃə/

mobile phase

/ˈməʊbaɪl feɪz/

model

/ˈmɒdl/

molar concentration

/ˈməʊlə ˌkɒnsənˈtreɪʃn/

molar mass

/ˈməʊlə mæs/

mole

/məʊl/

mole ratios

molten

/ˈməʊltən/

monomer

/ˈmɒnəʊmə/

nanoparticle

/ˌnænəʊˈpɑːtɪkl/

natural gas

/ˈnætʃərəl ɡæs/

neutralisation

/ˌnjuːtrəlaɪˈzeɪʃn/

neutron

/ˈnjuːtrɒn/

nitrate

/ˈnaɪtreɪt/

English

nitrogen oxides

/ˈnaɪtrədʒn ˈɒksaɪdz/

Noble gases

/ˈnəʊbl ˈɡæsiːz/

non-rechargeable

/nɒn rɪˈtʃɑːdʒəbl/

NPK fertiliser

/ˌen piː ˈkeɪ ˈfɜːtəlaɪzə/

nuclear model

/ˈnjuːklɪə ˈmɒdl/

nucleotide

/ˈnjuːklɪətaɪd/

observation

/əbzəˈveɪʃn/

outer shell electron

/ˈaʊtə ʃel ɪˈlektroʊn/

oxidation

/ˌɒksɪˈdeɪʃn/

oxide

/ˈɒksaɪd/

oxidised

/ˈɒksɪdaɪzd/

particulates

/pɑːˈtɪkjələɪts/

peer review

/pɪə rɪˈvjuː/

percentage by mass

percentage yield

/pəˈsentɪdʒ jiːld/

period

/ˈpɪəriəd/

periodic table

/ˌpɪəriˈɒdɪk ˈteɪbl/

photosynthesis

/ˌfəʊtəʊˈsɪnθəsis/

phytomining

/ˈfaɪtəmaɪnɪŋ/

pigment

/ˈpɪgmənt/

English

pipette

/pɪ'pet/

plum pudding model

/plʌm 'pʊdɪŋ 'mɒdl/

polyester

/,pɒli'estə/

polypeptide

/,pɒli'peptaid/

positive ion

/'pɒzɪtɪv 'aɪən/

potable water

/'pəʊtəbl 'wɔ:tə/

potential difference

/pə'tenʃl 'dɪfrəns/

precipitate

/prɪ'sɪpɪteɪt/

pressure

/'prefə/

proton

/'prəʊtɒn/

pure hydrocarbon

pure substance

/pjʊə 'sʌbstəns/

qualitative

/'kwɒlɪteɪtɪv/

range

/reɪndʒ/

rate of reaction

/reɪt ɒv rɪ'ækʃn/

reaction profile

/rɪ'ækʃn 'prəʊfaɪl/

reactivity series

/rɪæk'tɪvɪti 'sɪəri:z/

rechargeable

/rɪ'tʃɑ:dʒəbl/

reduced

/rɪ'dju:st/

reduction

/rɪ'dʌkʃn/

English

reinforcement

/ˌriːɪnˈfɔːsmənt/

Relative atomic mass

/ˈrelatɪv əˈtɒmɪk mæs/

relative formula mass

/ˈrelatɪv ˈfɔːmjʊlə mæs/

relative formula mass (Mr)

renewable resource

/rɪˈnjuːəbl rɪˈzɔːs/

repeating unit

/rɪˈpiːtɪŋ ˈjuːnɪt/

respiration

/ˌrespɪˈreɪʃn/

reverse osmosis

/rɪˈvɜːs ɒzˈməʊsɪs/

reversible

/rɪˈvɜːsɪbl/

reversible reaction

/rɪˈvɜːsɪbl rɪˈækʃn/

Rf value

/ˌɑːˈref ˈvæljuː/

room temperature and
pressure

/ruːm ˈtemprɪtʃə ænd ˈpreʃə/

sacrificial protection

/ˌsækriˈfiʃl prəˈtekʃn/

salt

/sɒlt/

sediment

/ˈsedɪmənt/

sedimentation

/ˌsedɪməntˈeɪʃn/

sensitivity

/ˌsensɪˈtɪvɪti/

series

/ˈsɪəriːz/

silver nitrate

/ˈsɪlvə ˈnaɪtreɪt/

simple distillation

/ˈsɪmpl dɪstɪˈleɪʃn/

English

sludge

/slʌdʒ/

sodium thiosulfate

soluble

/'sɒljʊ:bl/

solute

/'sɒljʊ:t/

solvent

/'sɒlvənt/

solvent front

/'sɒlvənt frʌnt/

soot

spectroscope

spectroscopy

/spek'trɒskəpi/

stationary phase

/'steɪʃənəri feɪz/

sterilise

/'sterəlaɪz/

strong acid

/strɒŋ 'æsɪd/

subscript

/'sʌbskrɪpt/

sulfate

/'sʌlfeɪt/

sulfur

/'sʌlfɜ:/

sulfur dioxide

/'sʌlfɜ: daɪ'ɒksaɪd/

surface area

/'sɜ:fɪs 'eəriə/

surface-area-to-volume ratio

/'sɜ:fɪs 'eəriə tə 'vɒljʊ:m 'reɪʃiəʊ/

surroundings

/sə'raʊndɪŋz/

sustainable development

/sə'steɪnəbl dɪ'veləpmənt/

symbol equation

/'sɪmbl ɪ'kweɪʒn/

English

system boundary

/ˈsɪstəm ˈbɑːndəri/

tangent

/ˈtændʒənt/

temperature anomaly

test tube

theoretical mass

thermal decomposition

/ˈθɜːml ˌdiːkɒmpəˈziʃn/

thermal expansion

/ˈθɜːml ɛkˈspænsɪn/

thermosetting polymer

/ˈθɜːməsiŋ ˈpɒlɪmə/

thermosoftening polymer

/ˈθɜːməsɒfəniŋ ˈpɒlɪmə/

titration

/taɪˈtreɪʃn/

toxic

/ˈtɒksɪk/

transition metals

/trænˈsɪʃn ˈmetlz/

turbidity

/tɜːˈbɪdɪti/

uncertainty

/ʌnˈsɜːtənti/

universal indicator

/ˌjuːnɪˈvɜːsl ˈɪndɪkeɪtə/

unsaturated

/ʌnˈsætʃəreɪtɪd/

ventilation

/ˌventrɪˈleɪʃn/

viscosity

/vɪˈskɒsɪti/

volcanic activity

/vɒlˈkænɪk ækˈtɪvɪti/

voltmeter

/ˈvɒltmɪːtə/

volume

/ˈvɒljʊːm/

English

water vapour

/ˈwɔːtə ˈveɪpə/

wavelength

/ˈweɪvlɛŋθ/

weak acid

/wiːk ˈæsɪd/

word equation

/wɜːd ɪˈkweɪʒn/

yield

/jiːld/
