

International Baccalaureate · IB Diploma

· Chemistry · SL

Glossary · every term in the course, A–Z

English

absolute temperature

/ˈæbsəluːt ˈtemprɪtʃə/

absolute zero

/ˈæbsəluːt ˈziərəʊ/

abundance

/əˈbʌndəns/

acid deposition

acidic

/əˈsɪdɪk/

activation energy

/ækˌtɪˈveɪʃn ˈenədʒi/

activity series

addition polymerization

alkali metal

/ˈælkəlaɪ ˈmetl/

allotrope

alloy

/ˈæləɪ/

alternative reaction

pathway

amount of substance

/əˈmaʊnt ɒv ˈsʌbstəns/

amphiprotic

amphoteric

/æmfəʊˈterɪk/

anion

/ˈænaɪən/

anode

/ˈænəʊd/

atom economy

/ˈætəm ɪˈkɒnəmi/

English

atomic number

/əˈtɒmɪk ˈnʌmbə/

atomic orbital

Aufbau principle

average bond enthalpy

average kinetic energy

/ˈævərɪdʒ kɪˈnetɪk ˈenədʒi/

Avogadro constant

/ˌævəˈɡædrəʊ ˈkɒnstənt/

Avogadro’s law

basic

/ˈbeɪsɪk/

biodegradable

/ˌbaɪəʊdɪˈɡreɪdəbl/

block

/blɒk/

bond enthalpy

/bɒnd enˈθælpɪ/

bonding triangle

Brønsted–Lowry acid

Brønsted–Lowry base

bulk property

/bʌlk ˈprɒpəti/

burette

/bjʊəˈret/

catalyst

/ˈkætəlist/

cathode

/ˈkæθəʊd/

cation

/ˈkætəɪən/

chain reaction

/tʃeɪn rɪˈækʃn/

chemical shift

/ˈkemɪkl ʃɪft/

English
chlorofluorocarbon
<div></div>
chromatography
<div><div></div><div>/krəʊməˈtɒɡrəfi/</div></div>
closed system
<div><div></div><div>/kləʊzd ˈsɪstəm/</div></div>
coefficient
<div><div></div><div>/ˌkəʊˈfɪʃənt/</div></div>
collision theory
<div><div></div><div>/kəˈlɪʒn ˈθɪəri/</div></div>
composite
<div><div></div><div>/ˈkɒmpəzɪt/</div></div>
compound
<div><div></div><div>/ˈkɒmpaʊnd/</div></div>
compromise
<div><div></div><div>/ˈkɒmprəmaɪz/</div></div>
concentration
<div><div></div><div>/ˌkɒnsənˈtreɪʃn/</div></div>
concordant
<div><div></div><div>/kənˈkɔːdənt/</div></div>
condensed configuration
<div></div>
conjugate acid–base pair
<div><div></div><div>/ˈkɒndʒuːgeɪt ˈæsɪd beɪs peə/</div></div>
conservation of mass
<div><div></div><div>/ˌkɒnsəˈveɪʃn ɒv məs/</div></div>
continuous spectrum
<div></div>
converge
<div><div></div><div>/kənˈvɜːdʒ/</div></div>
convergence limit
<div></div>
coordination bond
<div></div>
covalent bond
<div><div></div><div>/ˈkəʊvələnt bɒnd/</div></div>
covalent network structure
<div></div>
crystallization
<div></div>
curly arrow
<div><div></div><div>/ˈkɜːli ˈærəʊ/</div></div>

English
degenerate
<div><div></div><div>/dɪˈdʒenəreɪt/</div></div>
delocalized
<div><div></div><div>/dɪˈlɒkəlaɪzd/</div></div>
delocalized electron
<div><div></div><div>/dɪˈlɒkəlaɪzd ɪˈlektɹən/</div></div>
deposition
<div></div>
dipole moment
<div><div></div><div>/ˈdaɪpəl ˈməʊmənt/</div></div>
dipole–dipole force
<div></div>
displacement
<div><div></div><div>/dɪˈspleɪsmənt/</div></div>
distillation
<div><div></div><div>/dɪstɪˈleɪʃn/</div></div>
ductility
<div><div></div><div>/dʌkˈtɪlɪti/</div></div>
dynamic equilibrium
<div><div></div><div>/daɪˈnæmɪk ˌɪːkwɪˈlɪbrɪəm/</div></div>
elastic
<div><div></div><div>/ɪˈlæstɪk/</div></div>
electrical conductivity
<div><div></div><div>/ɪˈlektɹɪkl kɒndəktɪvɪti/</div></div>
electrolysis
<div><div></div><div>/ɪlekˈtrələsɪs/</div></div>
electrolyte
<div><div></div><div>/ɪˈlektɹəlaɪt/</div></div>
electrolytic cell
<div><div></div><div>/ɪˌlektɹəˈlɪtɪk sel/</div></div>
electromagnetic spectrum
<div><div></div><div>/ɪˌlektɹəʊmægˈnetɪk ˈspektrəm/</div></div>
electron
<div><div></div><div>/ɪˈlektɹən/</div></div>
electron affinity
<div><div></div><div>/ɪˈlektɹən əˈfɪnɪti/</div></div>
electron configuration
<div><div></div><div>/ɪˈlektɹən kənˌfɪɡjəˈreɪʃn/</div></div>
electron domain
<div></div>
electronegativity
<div><div></div><div>/ɪˌlektɹəŋɡəˈtɪvɪti/</div></div>

English
<div>ideal gas equation</div> <div>^{i}aɪˈdiəl ɡæs rɪˈkweɪʒn</div>
<div>in excess</div> <div></div>
<div>incomplete octet</div> <div></div>
<div>index of hydrogen deficiency</div> <div></div>
<div>indicator</div> <div>^{i}ˈɪndɪkɪtə</div>
<div>initial rate</div> <div>^{i}ˈniʃl reɪt</div>
<div>initiation</div> <div>^{i}ˌɪnɪʃiˈeɪʃn</div>
<div>integration</div> <div>^{i}ˌɪntiˈɡreɪʃn</div>
<div>intermolecular force</div> <div>^{i}ˌɪntəməˈlɛkjʊlə fɔːs</div>
<div>ion</div> <div>^{i}ˈaɪɒn</div>
<div>ionic bond</div> <div>^{aɪ}ˈɒnɪk bɒnd</div>
<div>ionic model</div> <div>^{aɪ}ˈɒnɪk ˈmɒdl</div>
<div>ionic product of water</div> <div>^{aɪ}ˈɒnɪk ˈprɒdʌkt ɒv ˈwɔːtə</div>
<div>isomer</div> <div>^{aɪ}səmə</div>
<div>isotope</div> <div>^{aɪ}sətəp</div>
<div>kelvin scale</div> <div>^{k}ˈɛlvɪn skeɪl</div>
<div>kinetic molecular theory</div> <div>^{k}iˈnɛtɪk məˈlɛkjʊlə ˈθiəri</div>
<div>lattice</div> <div>^{l}ˈlætɪs</div>
<div>lattice enthalpy</div> <div></div>
<div>Le Chatelier’s principle</div> <div>^{l}ə ˈtʃeɪtliəz ˈprɪnsɪpl</div>

English
<div>leaving group</div> <div>^{l}iːvɪŋ ɡruːp</div>
<div>Lewis formula</div> <div></div>
<div>life-cycle assessment</div> <div>^{l}aɪf ˈsaɪkl əˈsɛsmənt</div>
<div>limiting reactant</div> <div>^{l}ɪmɪtɪŋ rɪˈæktənt</div>
<div>limiting reagent</div> <div>^{l}ɪmɪtɪŋ rɪˈeɪdʒənt</div>
<div>line emission spectrum</div> <div></div>
<div>London force</div> <div></div>
<div>lone pair</div> <div>^{l}əʊn peə</div>
<div>malleability</div> <div>^{m}æləˈbɪlɪti</div>
<div>mass number</div> <div>^{m}æs ˈnʌmbə</div>
<div>mass spectrometer</div> <div>^{m}æs spɛkˈtrɒmɪtə</div>
<div>material</div> <div>^{m}əˈtiəriəl</div>
<div>Maxwell–Boltzmann distribution</div> <div></div>
<div>metallic bond</div> <div>^{m}əˈtælɪk bɒnd</div>
<div>metallic material</div> <div>^{m}əˈtælɪk məˈtiəriəl</div>
<div>metallic model</div> <div>^{m}əˈtælɪk ˈmɒdl</div>
<div>metalloid</div> <div></div>
<div>mixture</div> <div>^{m}ɪkʃtʃə</div>
<div>mobile phase</div> <div>^{m}əʊbaɪ feɪz</div>
<div>molar mass</div> <div>^{m}əʊlə mæs</div>
<div>molar volume</div> <div></div>

English												
<div>mole</div> <div>/məʊl/</div> <div>mole ratio</div> <div>/məʊl ˈreɪʃiəʊ/</div> <div>molecular formula</div> <div>/məˈlɛkjəl ˈfɔːmjələ/</div> <div>molecular geometry</div> <tr><td></td></tr> <tr><td><div>molecular ion</div><div>/məˈlɛkjəl ˈaɪɒn/</div><div>monomer</div><div>/ˈmɒnəʊmə/</div><div>negative ion</div><tr><td></td></tr><tr><td><div>neutralization</div><div>/ˌnjuːtrəlaɪˈzeɪʃn/</div><div>neutron</div><div>/ˈnjuːtrɒn/</div><div>non-directional</div><tr><td></td></tr><tr><td><div>non-polar</div><div>/nɒn ˈpəʊlə/</div><div>nuclear charge</div><div>/ˈnjuːkliə tʃɑːdʒ/</div><div>nuclear magnetic resonance</div><tr><td></td></tr><tr><td><div>nuclear symbol</div><tr><td></td></tr><tr><td><div>nucleon</div><div>/ˈnjuːkliən/</div><div>nucleophile</div><div>/ˈnjuːkliəfaɪl/</div><div>nucleophilic substitution</div><div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div><div>nucleus</div><div>/ˈnjuːkliəs/</div><div>ocean acidification</div><div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div><div>octet rule</div><tr><td></td></tr><tr><td><div>opposite spins</div></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>		<div>molecular ion</div> <div>/məˈlɛkjəl ˈaɪɒn/</div> <div>monomer</div> <div>/ˈmɒnəʊmə/</div> <div>negative ion</div> <tr><td></td></tr> <tr><td><div>neutralization</div><div>/ˌnjuːtrəlaɪˈzeɪʃn/</div><div>neutron</div><div>/ˈnjuːtrɒn/</div><div>non-directional</div><tr><td></td></tr><tr><td><div>non-polar</div><div>/nɒn ˈpəʊlə/</div><div>nuclear charge</div><div>/ˈnjuːkliə tʃɑːdʒ/</div><div>nuclear magnetic resonance</div><tr><td></td></tr><tr><td><div>nuclear symbol</div><tr><td></td></tr><tr><td><div>nucleon</div><div>/ˈnjuːkliən/</div><div>nucleophile</div><div>/ˈnjuːkliəfaɪl/</div><div>nucleophilic substitution</div><div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div><div>nucleus</div><div>/ˈnjuːkliəs/</div><div>ocean acidification</div><div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div><div>octet rule</div><tr><td></td></tr><tr><td><div>opposite spins</div></td></tr></td></tr></td></tr></td></tr></td></tr>		<div>neutralization</div> <div>/ˌnjuːtrəlaɪˈzeɪʃn/</div> <div>neutron</div> <div>/ˈnjuːtrɒn/</div> <div>non-directional</div> <tr><td></td></tr> <tr><td><div>non-polar</div><div>/nɒn ˈpəʊlə/</div><div>nuclear charge</div><div>/ˈnjuːkliə tʃɑːdʒ/</div><div>nuclear magnetic resonance</div><tr><td></td></tr><tr><td><div>nuclear symbol</div><tr><td></td></tr><tr><td><div>nucleon</div><div>/ˈnjuːkliən/</div><div>nucleophile</div><div>/ˈnjuːkliəfaɪl/</div><div>nucleophilic substitution</div><div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div><div>nucleus</div><div>/ˈnjuːkliəs/</div><div>ocean acidification</div><div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div><div>octet rule</div><tr><td></td></tr><tr><td><div>opposite spins</div></td></tr></td></tr></td></tr></td></tr>		<div>non-polar</div> <div>/nɒn ˈpəʊlə/</div> <div>nuclear charge</div> <div>/ˈnjuːkliə tʃɑːdʒ/</div> <div>nuclear magnetic resonance</div> <tr><td></td></tr> <tr><td><div>nuclear symbol</div><tr><td></td></tr><tr><td><div>nucleon</div><div>/ˈnjuːkliən/</div><div>nucleophile</div><div>/ˈnjuːkliəfaɪl/</div><div>nucleophilic substitution</div><div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div><div>nucleus</div><div>/ˈnjuːkliəs/</div><div>ocean acidification</div><div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div><div>octet rule</div><tr><td></td></tr><tr><td><div>opposite spins</div></td></tr></td></tr></td></tr>		<div>nuclear symbol</div> <tr><td></td></tr> <tr><td><div>nucleon</div><div>/ˈnjuːkliən/</div><div>nucleophile</div><div>/ˈnjuːkliəfaɪl/</div><div>nucleophilic substitution</div><div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div><div>nucleus</div><div>/ˈnjuːkliəs/</div><div>ocean acidification</div><div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div><div>octet rule</div><tr><td></td></tr><tr><td><div>opposite spins</div></td></tr></td></tr>		<div>nucleon</div> <div>/ˈnjuːkliən/</div> <div>nucleophile</div> <div>/ˈnjuːkliəfaɪl/</div> <div>nucleophilic substitution</div> <div>/ˌnjuːkliəˈfɪlɪk ˌsʌbstɪˈtjuːʃn/</div> <div>nucleus</div> <div>/ˈnjuːkliəs/</div> <div>ocean acidification</div> <div>/ˈəʊʃn əˌsɪdifiˈkeɪʃn/</div> <div>octet rule</div> <tr><td></td></tr> <tr><td><div>opposite spins</div></td></tr>		<div>opposite spins</div>
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<div>orbital</div> <div>/ˈɔːbɪtl/</div> <div>orbital diagram</div> <tr><td></td></tr> <tr><td><div>oxidation</div><div>/ˌɒksiˈdeɪʃn/</div><div>oxidation state</div><div>/ˌɒksiˈdeɪʃn steɪt/</div><div>oxidizing agent</div><div>/ˈɒksɪdaɪzɪŋ ˈeɪdʒənt/</div><div>ozone</div><div>/ˈəʊzəʊn/</div><div>Pauli exclusion principle</div><tr><td></td></tr><tr><td><div>period</div><div>/ˈpiəriəd/</div><div>periodic table</div><div>/ˌpiəriˈɒdik ˈteɪbl/</div><div>periodicity</div><div>/ˌpiəriˌpˈdɪsɪti/</div><div>pH curve</div><tr><td></td></tr><tr><td><div>phenyl</div><tr><td></td></tr><tr><td><div>photon</div><div>/ˈfəʊtɒn/</div><div>pipette</div><div>/pɪˈpet/</div><div>polar</div><div>/ˈpəʊlə/</div><div>polar bond</div><tr><td></td></tr><tr><td><div>polyatomic ion</div><tr><td></td></tr><tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr>		<div>oxidation</div> <div>/ˌɒksiˈdeɪʃn/</div> <div>oxidation state</div> <div>/ˌɒksiˈdeɪʃn steɪt/</div> <div>oxidizing agent</div> <div>/ˈɒksɪdaɪzɪŋ ˈeɪdʒənt/</div> <div>ozone</div> <div>/ˈəʊzəʊn/</div> <div>Pauli exclusion principle</div> <tr><td></td></tr> <tr><td><div>period</div><div>/ˈpiəriəd/</div><div>periodic table</div><div>/ˌpiəriˈɒdik ˈteɪbl/</div><div>periodicity</div><div>/ˌpiəriˌpˈdɪsɪti/</div><div>pH curve</div><tr><td></td></tr><tr><td><div>phenyl</div><tr><td></td></tr><tr><td><div>photon</div><div>/ˈfəʊtɒn/</div><div>pipette</div><div>/pɪˈpet/</div><div>polar</div><div>/ˈpəʊlə/</div><div>polar bond</div><tr><td></td></tr><tr><td><div>polyatomic ion</div><tr><td></td></tr><tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr></td></tr></td></tr></td></tr></td></tr>		<div>period</div> <div>/ˈpiəriəd/</div> <div>periodic table</div> <div>/ˌpiəriˈɒdik ˈteɪbl/</div> <div>periodicity</div> <div>/ˌpiəriˌpˈdɪsɪti/</div> <div>pH curve</div> <tr><td></td></tr> <tr><td><div>phenyl</div><tr><td></td></tr><tr><td><div>photon</div><div>/ˈfəʊtɒn/</div><div>pipette</div><div>/pɪˈpet/</div><div>polar</div><div>/ˈpəʊlə/</div><div>polar bond</div><tr><td></td></tr><tr><td><div>polyatomic ion</div><tr><td></td></tr><tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr></td></tr></td></tr></td></tr>		<div>phenyl</div> <tr><td></td></tr> <tr><td><div>photon</div><div>/ˈfəʊtɒn/</div><div>pipette</div><div>/pɪˈpet/</div><div>polar</div><div>/ˈpəʊlə/</div><div>polar bond</div><tr><td></td></tr><tr><td><div>polyatomic ion</div><tr><td></td></tr><tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr></td></tr></td></tr>		<div>photon</div> <div>/ˈfəʊtɒn/</div> <div>pipette</div> <div>/pɪˈpet/</div> <div>polar</div> <div>/ˈpəʊlə/</div> <div>polar bond</div> <tr><td></td></tr> <tr><td><div>polyatomic ion</div><tr><td></td></tr><tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr></td></tr>		<div>polyatomic ion</div> <tr><td></td></tr> <tr><td><div>polymer</div><div>/ˈpɒlimə/</div><div>position of equilibrium</div><div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div><div>positive ion</div><div>/ˈpɒzɪtiv ˈaɪɒn/</div><div>pressure</div><div>/ˈprɛʃə/</div></td></tr>		<div>polymer</div> <div>/ˈpɒlimə/</div> <div>position of equilibrium</div> <div>/pəˈzɪʃn ɒv ˌiːkwiˈlɪbriəm/</div> <div>positive ion</div> <div>/ˈpɒzɪtiv ˈaɪɒn/</div> <div>pressure</div> <div>/ˈprɛʃə/</div>
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English
<div>strong acid</div> <div>/ˈstrɒŋ ˈæsɪd/</div> <div>structural isomer</div>
<div></div>
<div>sublevel</div>
<div></div>
<div>sublimation</div> <div>/ˌsʌblɪˈmeɪʃn/</div>
<div>surface area</div> <div>/ˈsɜːfɪs ˈeəriə/</div>
<div>systematic error</div> <div>/ˌsɪstəˈmætɪk ˈerə/</div>
<div>tangent</div> <div>/ˈtændʒənt/</div>
<div>termination</div> <div>/ˌtɜːmɪˈneɪʃn/</div>
<div>tertiary</div> <div>/ˈtɜːʃəri/</div>
<div>theoretical yield</div> <div>/θɪəˈretɪkl ʒiːld/</div>
<div>thermal conductivity</div> <div>/ˈθɜːml kɒndʌkˈtɪvɪti/</div>
<div>titration</div> <div>/taɪˈtreɪʃn/</div>
<div>titre</div> <div>/ˈtɪtə/</div>
<div>transition element</div> <div>/trænˈsɪʃn ˈelɪmənt/</div>
<div>ultraviolet light</div> <div>/ˌʊltrəˈvaɪələɪt laɪt/</div>
<div>uncertainty</div> <div>/ʌnˈsɜːtənti/</div>
<div>unpaired electron</div> <div>/ʌnˈpeəd ɪˈlektɹən/</div>
<div>valence shell electron pair repulsion</div>
<div>van der Waals force</div>
<div></div>
<div>volatility</div> <div>/ˌvɒləˈtɪlɪti/</div>

English
<div>wavenumber</div> <div>/ˈweɪvnʌmbə/</div>
<div>weak acid</div> <div>/wiːk ˈæsɪd/</div>
<div>yield</div> <div>/ʒiːld/</div>