

T1 atom	T1 nucleus	T1 proton
T1 neutron	T1 electron	T1 shell
T1 relative charge	T1 relative mass	T1 neutral

T1 zhì zì	T1 yuán zǐ hé	T1 yuán zì
T1 ké céng	T1 diàn zì	T1 zhōng zǐ
T1 zhōng xìng	T1 xiāng duì zhì liàng	T1 xiāng duì diàn hè

T1

proton number

T1

atomic number

T1

nucleon number

T1

mass number

T1

nucleon

T1

ion

T1

electric field

T1

deflection

T1

atomic radius

T1 hé zǐ shù	T1 yuán zi xù shù	T1 zhì zǐ shù
T1 lí zi	T1 hé zǐ	T1 zhì liàng shù
T1 yuán zi bàn jìng	T1 piān zhuǎn	T1 diàn chǎng

T1

ionic radius

T1

period

T1

nuclear charge

T1

shielding

T1

group

T1

cation

T1

anion

T1

repulsion

T1

isotope

T1 hé diàn hè	T1 zhōu qī	T1 lí zi bàn jìng
T1 yáng lí zi	T1 zú	T1 píng bì
T1 tóng wèi sù	T1 pái chì	T1 yīn lí zi

T1 chemical properties	T1 physical properties	T1 density
T1 principal quantum number	T1 sub-shell	T1 orbital
T1 electronic configuration	T1 ground state	T1 noble gas

T1 mì dù	T1 wù lǐ xìng zhì	T1 huà xué xìng zhì
T1 guǐ dào	T1 yà céng	T1 zhǔ liàng zǐ shù
T1 xī yǒu qì tǐ	T1 jī tài	T1 diàn zì pái bù

T1	T1	T1
spin	sphere	free radical
T1	T1	T1
unpaired electrons	first ionisation energy	successive ionisation energies
T1	T2	T2
spin-pair repulsion	atom	unified atomic mass unit

T1 zì yóu jī	T1 qiú xíng	T1 zì xuán
T1 zhú jí diàn lí néng	T1 dì yī diàn lí néng	T1 wèi chéng duì diàn zì
T2 tǒng yī yuán zì zhì liàng dān wèi	T2 yuán zì	T1 zì xuán chéng duì pái chì

T2 relative atomic mass	T2 isotope	T2 relative isotopic mass
T2 relative molecular mass	T2 molecule	T2 relative formula mass
T2 mole	T2 Avogadro constant	T2 ion

T2 xiāng duì tóng wèi sù zhì liàng	T2 tóng wèi sù	T2 xiāng duì yuán zi zhì liàng
T2 xiāng duì shì liàng	T2 fèn zǐ	T2 xiāng duì fèn zǐ zhì liàng
T2 lí zi	T2 ā fú gā dé luó cháng liàng	T2 mó ěr

T2 molar mass	T2 compound	T2 ionic compound
T2 oxidation number	T2 balanced	T2 state symbols
T2 aqueous	T2 ionic equation	T2 spectator ions

T2 lí zi huà hé wù	T2 huà hé wù	T2 mó ěr zhì liàng
T2 zhuàng tài fú hào	T2 pèi píng	T2 yǎng huà shù
T2 páng guān lí zi	T2 lí zi fāng chéng shì	T2 shuǐ róng yè

T2 empirical formula	T2 molecular formula	T2 water of crystallisation
T2 hydrated	T2 anhydrous	T2 stoichiometry
T2 percentage yield	T2 limiting reagent	T2 excess reagent

T2 jié jīng shuǐ	T2 fēn zǐ shì	T2 shí yàn shì
T2 huà xué jì liàng	T2 wú shuǐ de	T2 shuǐ hé de
T2 guò liàng shì jì	T2 xiàn liàng shì jì	T2 chǎn lǚ

T2 concentration	T2 solute	T2 solution
T2 titration	T2 significant figures	T3 electronegativity
T3 electron	T3 nuclear charge	T3 atomic radius

T2 róng yè	T2 róng zhì	T2 nóng dù
T3 diàn fù xìng	T2 yǒu xiào shù zì	T2 dī dìng
T3 yuán zi bàn jìng	T3 hé diàn hè	T3 diàn zi

T3 shielding	T3 Pauling electronegativity	T3 ionic bonding
T3 electrostatic attraction	T3 ion	T3 cation
T3 anion	T3 lattice	T3 metallic bonding

T3 lí zǐ jiàn	T3 bào lín diàn fù xìng	T3 píng bì
T3 yáng lí zǐ	T3 lí zǐ	T3 jìng diàn yǐn lì
T3 jīn shǔ jiàn	T3 jīng gé	T3 yīn lí zǐ

T3 delocalised electrons	T3 covalent bonding	T3 expand the octet
T3 coordinate bond	T3 orbital	T3 sigma bond
T3 overlap	T3 pi bond	T3 hybridisation

T3 kuò zhǎn bā yú tǐ	T3 gòng jià jiàn	T3 lí yù diàn zi
T3 σ σ jiàn	T3 guǐ dào	T3 pèi wèi jiàn
T3 zá huà	T3 π π jiàn	T3 chóng dié

T3 bond energy	T3 bond length	T3 VSEPR theory
T3 lone pair	T3 bonding pair	T3 bond angle
T3 linear	T3 trigonal planar	T3 tetrahedral

T3 jià céng diàn zi duì hù chì lǐ lùn	T3 jiàn zhǎng	T3 jiàn néng
T3 jiàn jiǎo	T3 chéng jiàn diàn zi duì	T3 gū duì diàn zi
T3 sì miàn tǐ xíng	T3 píng miàn sān jiǎo xíng	T3 zhí xiàn xíng

T3

pyramidal

T3

bent

T3

trigonal bipyramidal

T3

octahedral

T3

intermolecular forces

T3

molecule

T3

polarity

T3

dipole

T3

dipole moment

T3 sān jiǎo shuāng zhuī xíng	T3 jiǎo xíng	T3 sān jiǎo zhuī xíng
T3 fèn zǐ	T3 fèn zǐ jiàn zuò yòng lì	T3 bā miàn tǐ xíng
T3 ǒu jí jǔ	T3 ǒu jí	T3 jí xìng

T3	T3	T3
van der Waals' forces	London dispersion forces	instantaneous dipole
T3	T3	T3
induced dipole	permanent dipole	hydrogen bonding
T3	T3	T3
boiling point	surface tension	dot-and-cross diagram

T3 shùn shí ǒu jí	T3 lún dūn sè sǎn lì	T3 fàn dé huá lì
T3 qīng jiàn	T3 yǒng jiǔ ǒu jí	T3 yòu dǎo ǒu jí
T3 diǎn chā tú	T3 biǎo miàn zhāng lì	T3 fèi diǎn

T4 collide	T4 pressure	T4 ideal gas
T4 intermolecular forces	T4 real gas	T4 ideal gas equation
T4 kelvin	T4 gas constant	T4 molar mass

T4 lǐ xiǎng qì tǐ	T4 yā qiáng	T4 pèng zhuàng
T4 lǐ xiǎng qì tǐ fāng chéng	T4 shí jì qì tǐ	T4 fèn zǐ jiàn zuò yòng lì
T4 mó ěr zhì liàng	T4 qì tǐ cháng liàng	T4 kāi ěr wén

T4 crystalline solid	T4 giant ionic	T4 lattice
T4 ion	T4 simple molecular	T4 molecule
T4 fullerene	T4 giant molecular	T4 covalent bonds

T4 jīng gé	T4 lí zi jīng tǐ	T4 jīng tǐ
T4 fèn zǐ	T4 fēn zǐ jīng tǐ	T4 lí zi
T4 gòng jià jiàn	T4 yuán zi jīng tǐ	T4 fù lēi xī

T4 silicon(IV) oxide	T4 graphite	T4 diamond
T4 giant metallic	T4 delocalised electrons	T4 melting point
T4 boiling point	T4 electrical conductivity	T4 solubility

T4 jīn gāng shí	T4 shí mò	T4 èr yǎng huà guī
T4 róng diǎn	T4 lí yù diàn zi	T4 jīn shǔ jīng tǐ
T4 róng jiě dù	T4 dǎo diàn xìng	T4 fèi diǎn

T5 enthalpy change	T5 exothermic	T5 endothermic
T5 reaction pathway diagram	T5 activation energy	T5 standard conditions
T5 enthalpy change of reaction	T5 enthalpy change of formation	T5 enthalpy change of combustion

T5 xī rè	T5 fàng rè	T5 hán biàn
T5 biāo zhǔn tiáo jiàn	T5 huó huà néng	T5 fǎn yìng lù jìng tú
T5 rǎn shāo hán biàn	T5 shēng chéng hán biàn	T5 fǎn yìng hán biàn

T5 enthalpy change of neutralisation	T5 bond energy	T5 specific heat capacity
T5 Hess's law	T5 energy cycle	T6 oxidation number
T6 electron	T6 redox	T6 oxidation

T5 bǐ rè róng	T5 jiàn néng	T5 zhōng hé hán biàn
T6 yǎng huà shù	T5 néng liàng xún huán	T5 gài sī dīng lǚ
T6 yǎng huà	T6 yǎng huà huán yuán	T6 diàn zi

T6 reduction	T6 electron transfer	T6 disproportionation
T6 oxidising agent	T6 reducing agent	T7 reversible reaction
T7 forward reaction	T7 reverse reaction	T7 closed system

T6 qí huà	T6 diàn zì zhuǎn yí	T6 huán yuán
T7 kě nì fǎn yìng	T6 huán yuán jì	T6 yǎng huà jì
T7 fēng bì xì tǒng	T7 nì fǎn yìng	T7 zhèng fǎn yìng

T7 dynamic equilibrium	T7 Le Chatelier's principle	T7 equilibrium
T7 catalyst	T7 equilibrium constant	T7 partial pressure
T7 mole fraction	T7 Haber process	T7 Contact process

T7 píng héng	T7 lěi xià tè liè yuán lǐ	T7 dòng tài píng héng
T7 fēn yā	T7 píng héng cháng shù	T7 cuī huà jì
T7 jiē chù fǎ	T7 hā bó fǎ	T7 mó ěr fēn shù

T7 proton	T7 acid	T7 proton donor
T7 base	T7 proton acceptor	T7 strong acid
T7 strong base	T7 dissociated	T7 weak acid

T7 zhì zi gōng tǐ	T7 suān	T7 zhì zi
T7 qiáng suān	T7 zhì zi shòu tǐ	T7 jiǎn
T7 ruò suān	T7 jiě lí	T7 qiáng jiǎn

T7 weak base	T7 universal indicator	T7 Neutralisation
T7 salt	T7 titration	T7 titration curve
T7 indicator	T8 rate of reaction	T8 collide

T7 zhōng hé	T7 tōng yòng zhǐ shì jì	T7 ruò jiǎn
T7 dī dìng qū xiàn	T7 dī dìng	T7 yán
T8 pèng zhuàng	T8 fǎn yìng sù lǚ	T7 zhǐ shì jì

T8 collision frequency	T8 effective collision	T8 non-effective collision
T8 activation energy	T8 Boltzmann distribution	T8 catalyst
T8 catalysis	T8 reaction mechanism	T8 reaction pathway diagram

T8 wú xiào pèng zhuàng	T8 yǒu xiào pèng zhuàng	T8 pèng zhuàng pín lǚ
T8 cuī huà jì	T8 bō ěr zī màn fēn bù	T8 huó huà néng
T8 fǎn yìng lù jìng tú	T8 fǎn yìng jī lǐ	T8 cuī huà zuò yòng

T8 homogeneous catalyst	T8 heterogeneous catalyst	T9 periodicity
T9 period	T9 atomic radius	T9 ionic radius
T9 melting point	T9 electrical conductivity	T9 giant metallic

T9 zhōu qī xìng	T8 duō xiāng cuī huà jì	T8 jūn xiāng cuī huà jì
T9 lí zi bàn jìng	T9 yuán zi bàn jìng	T9 zhōu qī
T9 jīn shǔ jīng tǐ	T9 dǎo diàn xìng	T9 róng diǎn

T9 giant molecular	T9 simple molecular	T9 oxidation number
T9 valence shell	T9 electron	T9 oxide
T9 amphoteric	T9 hydroxide	T9 hydrolysis

T9 yǎng huà shù	T9 fēn zǐ jīng tǐ	T9 yuán zi jīng tǐ
T9 yǎng huà wù	T9 diàn zi	T9 jià céng
T9 shuǐ jiě	T9 qīng yǎng huà wù	T9 liǎng xìng

T9 electronegativity	T9 van der Waals' forces	T10 group
T10 reactivity	T10 sulfate	T10 oxide
T10 hydroxide	T10 carbonate	T10 thermal decomposition

T10 zú	T9 fàn dé huá lì	T9 diàn fù xìng
T10 yǎng huà wù	T10 liú suān yán	T10 fǎn yìng huó xìng
T10 rè fēn jiě	T10 tàn suān yán	T10 qīng yǎng huà wù

T10 nitrate	T10 thermal stability	T10 solubility
T11 halogen	T11 group	T11 volatility
T11 instantaneous dipole	T11 induced dipole	T11 bond energy

T10 róng jiě dù	T10 rè wēn dìng xìng	T10 xiāo suān yán
T11 huī fā xìng	T11 zú	T11 lǚ sù
T11 jiàn néng	T11 yòu dǎo ǒu jí	T11 shùn shí ǒu jí

T11 oxidising agent	T11 hydrogen halide	T11 thermal stability
T11 halide ion	T11 reducing agent	T11 ammonia
T11 precipitate	T11 oxidation number	T11 disproportionation

T11 rè wēn dǐng xìng	T11 lǚ huà qīng	T11 yǎng huà jì
T11 ān	T11 huán yuán jì	T11 lǚ lí zì
T11 qí huà	T11 yǎng huà shù	T11 chén diàn

T11 water purification	T11 bacteria	T12 triple bond
T12 bond energy	T12 polarity	T12 basicity
T12 lone pair	T12 proton	T12 ammonium ion

T12 sān jiàn	T11 xì jūn	T11 shuǐ jìng huà
T12 jiǎn xìng	T12 jí xìng	T12 jiàn néng
T12 ǎn lí zi	T12 zhì zi	T12 gū duì diàn zi

T12 coordinate bond	T12 displacement	T12 internal combustion engine
T12 catalytic converter	T12 exhaust gases	T12 photochemical smog
T12 acid rain	T12 sulfur dioxide	T13 hydrocarbon

T12 nèi rán jī	T12 zhì huàn	T12 pèi wèi jiàn
T12 guāng huà xué yān wù	T12 wěi qì	T12 cuī huà zhuǎn huà qì
T13 tàn qīng huà hé wù	T12 èr yǎng huà liú	T12 suān yǐ

T13 tōng shì	T13 guān néng tuán	T13 wán tīng
T13 zhǎn kāi shì	T13 jié gòu shì	T13 fēn zǐ shì
T13 mìng míng fǎ	T13 shí yàn shì	T13 gǔ jià shì

T13 homologous series	T13 saturated	T13 unsaturated
T13 homolytic fission	T13 free radical	T13 heterolytic fission
T13 nucleophile	T13 electrophile	T13 addition

T13 bù bǎo hé	T13 bǎo hé	T13 tóng xì liè
T13 yì liè	T13 zì yóu jī	T13 jūn liè
T13 jiā chéng	T13 qīn diàn shì jì	T13 qīn hé shì jì

T13 substitution	T13 elimination	T13 hydrolysis
T13 condensation	T13 initiation	T13 propagation
T13 termination	T13 free-radical substitution	T13 electrophilic addition

T13 shuǐ jiě	T13 xiāo qù	T13 qǔ dài
T13 zēng zhǎng	T13 yǐn fā	T13 suō hé
T13 qīn diàn jiā chéng	T13 zì yóu jī qǔ dài	T13 zhōng zhǐ

T13 nucleophilic substitution	T13 nucleophilic addition	T13 curly arrow
T13 lone pair	T13 cyclic	T13 hybridisation
T13 planar	T13 sigma bond	T13 pi bond

T13 wān jiàn tóu	T13 qīn hé jiā chéng	T13 qīn hé qǔ dài
T13 zá huà	T13 huán zhuàng	T13 gū duì diàn zi
T13 π π jiàn	T13 σ σ jiàn	T13 píng miàn

T13	T13	T13
isomerism	structural isomerism	chain isomerism
T13	T13	T13
positional isomerism	functional group isomerism	stereoisomerism
T13	T13	T13
geometrical isomerism	restricted rotation	cis

T13 liàn yì gòu	T13 jié gòu yì gòu	T13 yì gòu
T13 lǐ tǐ yì gòu	T13 guān néng tuán yì gòu	T13 wèi zhì yì gòu
T13 shùn shì	T13 shòu xiàn xuán zhuǎn	T13 jǐ hé yì gòu

T13

trans

T13

optical isomerism

T13

chiral

T13

chiral centre

T13

enantiomers

T14

alkane

T14

hydrogenation

T14

alkene

T14

cracking

T13 shǒu xìng	T13 xuán guāng yì gòu	T13 fǎn shì
T14 wán tīng	T13 duì yìng tǐ	T13 shǒu xìng zhōng xīn
T14 liè huà	T14 xī tīng	T14 qīng huà

T14 combustion	T14 complete combustion	T14 incomplete combustion
T14 carbon monoxide	T14 free-radical substitution	T14 ultraviolet light
T14 initiation	T14 free radical	T14 propagation

T14 bù wán quán rán shāo	T14 wán quán rán shāo	T14 rán shāo
T14 zǐ wài xiàn	T14 zì yóu jī qǔ dài	T14 yī yǎng huà tàn
T14 zēng zhǎng	T14 zì yóu jī	T14 yǐn fā

T14 termination	T14 crude oil	T14 fraction
T14 polarity	T14 elimination	T14 halogenoalkane
T14 dehydration	T14 alcohol	T14 electrophilic addition

T14 liú fèn	T14 yuán yóu	T14 zhōng zhǐ
T14 lǚ dài wán	T14 xiāo qù	T14 jí xìng
T14 qīn diàn jiā chéng	T14 chún	T14 tuō shuǐ

T14 steam	T14 hydrogen halide	T14 diol
T14 bromine water	T14 addition polymerisation	T14 polymer
T14 carbocation	T14 inductive effect	T14 Markovnikov's rule

T14 èr chún	T14 lǚ huà qīng	T14 shuǐ zhēng qì
T14 jù hé wù	T14 jiā chéng jù hé	T14 xiù shuǐ
T14 mǎ shì guī zé	T14 yòu dǎo xiào yìng	T14 tàn zhèng lí zi

T14 homolytic fission	T14 heterolytic fission	T14 ketone
T14 carboxylic acid	T15 halogenoalkane	T15 free-radical substitution
T15 electrophilic addition	T15 alcohol	T15 primary

T14 tóng	T14 yì liè	T14 jūn liè
T15 zì yóu jī qǔ dài	T15 lǚ dài wán	T14 suō suān
T15 bó	T15 chún	T15 qīn diàn jiā chéng

T15 secondary	T15 tertiary	T15 nucleophilic substitution
T15 nucleophile	T15 nitrile	T15 amine
T15 silver nitrate	T15 precipitate	T15 elimination

T15 qīn hé qǔ dài	T15 shū	T15 zhòng
T15 àn	T15 jīng	T15 qīn hé shì jì
T15 xiāo qù	T15 chén diàn	T15 xiāo suān yín

T15 alkene	T15 transition state	T15 carbocation
T15 inductive effect	T15 bond energy	T15 reactivity
T16 alcohol	T16 electrophilic addition	T16 alkene

T15 tàn zhèng lí zi	T15 guò dù tài	T15 xī tīng
T15 fǎn yìng huó xìng	T15 jiàn néng	T15 yòu dǎo xiào yìng
T16 xī tīng	T16 qīn diàn jiā chéng	T16 chún

T16 diol	T16 halogenoalkane	T16 reduction
T16 aldehyde	T16 ketone	T16 carboxylic acid
T16 hydrolysis	T16 ester	T16 oxidation

T16 huán yuán	T16 lǚ dài wán	T16 èr chún
T16 suō suān	T16 tóng	T16 quán
T16 yǎng huà	T16 zhǐ	T16 shuǐ jiě

T16 dehydration	T16 primary	T16 secondary
T16 tertiary	T16 distillation	T16 reflux
T16 tri-iodomethane	T16 acidity	T17 carbonyl compound

T16 zhòng	T16 bó	T16 tuō shuǐ
T16 huí liú	T16 zhēng liú	T16 shū
T17 tāng jī huà hé wù	T16 suān xìng	T16 sān diǎn jiǎ wán

T17 carbonyl	T17 aldehyde	T17 ketone
T17 oxidation	T17 alcohol	T17 distillation
T17 reduction	T17 hydrogen cyanide	T17 hydroxynitrile

T17 tóng	T17 quán	T17 tāng jī
T17 zhēng liú	T17 chún	T17 yǎng huà
T17 qiǎng jī jīng	T17 qíng huà qīng	T17 huán yuán

T17	T17	T17
nucleophilic addition	Fehling's reagent	Tollens' reagent
T17	T18	T18
tri-iodomethane	carboxylic acid	oxidation
T18	T18	T18
alcohol	aldehyde	reflux

T17 tuō lún shì jì	T17 fěi lín shì jì	T17 qīn hé jiā chéng
T18 yǎng huà	T18 suō suān	T17 sān diǎn jiǎ wán
T18 huí liú	T18 quǎn	T18 chún

T18 hydrolysis	T18 nitrile	T18 ester
T18 redox	T18 salt	T18 neutralisation
T18 carbonate	T18 esterification	T18 reduction

T18 zhǐ	T18 jīng	T18 shuǐ jiě
T18 zhōng hé	T18 yán	T18 yǎng huà huán yuán
T18 huán yuán	T18 zhǐ huà	T18 tàn suān yán

T18 condensation	T19 amine	T19 halogenoalkane
T19 nucleophilic substitution	T19 nitrile	T19 aldehyde
T19 ketone	T19 hydroxynitrile	T19 hydrogen cyanide

T19 lǚ dài wán	T19 àn	T18 suō hé
T19 quán	T19 jīng	T19 qīn hé qǔ dài
T19 qíng huà qīng	T19 qiǎng jī jīng	T19 tóng

T19 nucleophilic addition	T19 hydrolysis	T19 carboxylic acid
T19 reduction	T20 addition polymerisation	T20 monomer
T20 polymer	T20 repeat unit	T20 poly(ethene)

T19 suō suān	T19 shuǐ jiě	T19 qīn hé jiā chéng
T20 dān tǐ	T20 jiā chéng jù hé	T19 huán yuán
T20 jù yǐ xī	T20 chóng fù dān yuán	T20 jù hé wù

T20 poly(chloroethene)	T20 non-biodegradable	T20 combustion
T21 functional group	T21 alkene	T21 halogenoalkane
T21 alcohol	T21 aldehyde	T21 ketone

T20 rán shāo	T20 bù kě shēng wù jiàng jiě	T20 jù lǚ yǐ xī
T21 lǚ dài wán	T21 xī tīng	T21 guān néng tuán
T21 tóng	T21 quán	T21 chún

T21 carboxylic acid	T21 nitrile	T21 amine
T21 ester	T21 synthetic route	T21 reagent
T21 oxidation	T21 reduction	T21 by-product

T21 àn	T21 jīng	T21 suō suān
T21 shì jì	T21 hé chéng lù xiàn	T21 zhǐ
T21 fù chǎn wù	T21 huán yuán	T21 yǎng huà

T22 infrared spectroscopy	T22 functional group	T22 absorption
T22 wavenumber	T22 mass spectrometry	T22 mass-to-charge ratio
T22 isotope	T22 isotopic abundance	T22 relative atomic mass

T22 xī shōu	T22 guān néng tuán	T22 hóng wài guāng pǔ
T22 zhì hé bǐ	T22 zhì pǔ	T22 bō shù
T22 xiāng duì yuán zi zhì liàng	T22 tóng wèi sù fēng dù	T22 tóng wèi sù

T22	T22	T22
molecular ion	molecular ion peak	fragmentation
T22	T23	T23
fragment	enthalpy change	enthalpy change of atomisation
T23	T23	T23
lattice energy	electron affinity	Born–Haber cycle

T22 sui lie	T22 fen zi li zi feng	T22 fen zi li zi
T23 yuán zi huà hán biàn	T23 hán biàn	T22 sui pian
T23 bō ēn hā bó xún huán	T23 diàn zi qīn hé néng	T23 jīng gé néng

T23 enthalpy change of hydration	T23 enthalpy change of solution	T23 entropy
T23 entropy change	T23 Gibbs free energy	T23 feasibility
T24 electrolysis	T24 electrolyte	T24 electrode

T23 shāng	T23 róng jiě hán biàn	T23 shuǐ hé hán biàn
T23 kě xíng xìng	T23 jí bù sī zì yóu néng	T23 shāng biàn
T24 diàn jí	T24 diàn jiě zhì	T24 diàn jiě

T24	T24	T24
cathode	anode	Faraday constant
T24	T24	T24
Avogadro constant	electrode potential	standard electrode potential
T24	T24	T24
standard hydrogen electrode	standard cell potential	oxidising agent

T24 fǎ lǎ dì cháng liàng	T24 yáng jí	T24 yīn jí
T24 biāo zhǔn diàn jí diàn shì	T24 diàn jí diàn shì	T24 ā fú gā dé luó cháng liàng
T24 yǎng huà jì	T24 biāo zhǔn diàn chí diàn shì	T24 biāo zhǔn qīng diàn jí

T24 reducing agent	T24 half-equation	T24 feasibility
T24 Nernst equation	T25 conjugate base	T25 conjugate acid
T25 conjugate acid–base pair	T25 acid dissociation constant	T25 ionic product of water

T24 kě xíng xìng	T24 bàn fǎn yìng fāng chéng shì	T24 huán yuán jì
T25 gòng è suān	T25 gòng è jiǎn	T24 néng sī tè fāng chéng
T25 shuǐ de lí zì jī	T25 suān jiě lí cháng shù	T25 gòng è suān jiǎn duì

T25 strong acid	T25 strong alkali	T25 weak acid
T25 buffer solution	T25 solubility product	T25 common ion effect
T25 partition coefficient	T25 solute	T25 polarity

T25 ruò suān	T25 qiáng jiǎn	T25 qiáng suān
T25 tóng lí zì xiào yìng	T25 róng dù jī	T25 huǎn chōng róng yè
T25 jí xìng	T25 róng zhì	T25 fēn pèi xì shù

T25 solvent	T26 rate equation	T26 order of reaction
T26 overall order of reaction	T26 rate constant	T26 half-life
T26 rate-determining step	T26 intermediate	T26 initial rate

T26 fǎn yìng jí shù	T26 sù lǚ fāng chéng	T25 róng jì
T26 bàn shuāi qī	T26 sù lǚ cháng shù	T26 zǒng fǎn yìng jí shù
T26 chū shǐ sù lǚ	T26 zhōng jiān tǐ	T26 jué sù bù zhòu

T26 catalyst	T26 heterogeneous catalyst	T26 adsorption
T26 desorption	T26 homogeneous catalyst	T27 thermal stability
T27 nitrate	T27 carbonate	T27 cation

T26 xī fù	T26 duō xiāng cuī huà jì	T26 cuī huà jì
T27 rè wǎn dīng xìng	T26 jūn xiāng cuī huà jì	T26 tuō fù
T27 yáng lí zi	T27 tàn suān yán	T27 xiāo suān yán

T27 ionic radius	T27 polarisation	T27 anion
T27 enthalpy change of solution	T27 lattice energy	T27 enthalpy change of hydration
T27 solubility	T27 hydroxide	T27 sulfate

T27 yīn lí zi	T27 jí huà	T27 lí zi bàn jìng
T27 shuǐ hé hán biàn	T27 jīng gé néng	T27 róng jiě hán biàn
T27 liú suān yán	T27 qīng yǎng huà wù	T27 róng jiě dù

T28 transition element	T28 orbital	T28 oxidation state
T28 catalyst	T28 complex ion	T28 ligand
T28 dative covalent bond	T28 lone pair	T28 monodentate

T28 yǎng huà tài	T28 guǐ dào	T28 guò dù yuán sù
T28 pèi tǐ	T28 pèi lí zi	T28 cuī huà jì
T28 dān chǐ	T28 gū duì diàn zi	T28 pèi wèi jiàn

T28 bidentate	T28 polydentate	T28 complex
T28 linear	T28 square planar	T28 tetrahedral
T28 octahedral	T28 coordination number	T28 ligand exchange

T28 pèi hé wù	T28 duō chǐ	T28 shuāng chǐ
T28 sì miàn tǐ xíng	T28 píng miàn zhèng fāng xíng	T28 zhí xiàn xíng
T28 pèi tǐ jiāo huàn	T28 pèi wèi shù	T28 bā miàn tǐ xíng

T28 degenerate	T28 non-degenerate	T28 complementary colour
T28 geometrical isomerism	T28 cis	T28 trans
T28 optical isomerism	T28 stability constant	T29 functional group

T28 hù bǔ sè	T28 fēi jiǎn bìng	T28 jiǎn bìng
T28 fǎn shì	T28 shùn shì	T28 jǐ hé yì gòu
T29 guān néng tuán	T28 wěn dìng cháng shù	T28 xuán guāng yì gòu

T29 amide	T29 aromatic	T29 benzene
T29 benzene ring	T29 electrophilic substitution	T29 addition–elimination
T29 hybridisation	T29 sigma bond	T29 delocalised

T29 běn	T29 fāng xiāng	T29 xiān àn
T29 jiā chéng xiāo qù	T29 qīn diàn qǔ dài	T29 běn huán
T29 lí yù	T29 σ σ jiàn	T29 zá huà

T29 pi bond	T29 enthalpy change of hydrogenation	T29 enantiomers
T29 plane polarised light	T29 optically active	T29 racemic mixture
T29 chirality	T29 chiral centre	T29 chiral catalyst

T29 duì yǐng tǐ	T29 qīng huà hán biàn	T29 π π jiàn
T29 wài xiāo xuán hùn hé wù	T29 xuán guāng huó xìng	T29 píng miàn piān zhèn guāng
T29 shǒu xìng cuī huà jì	T29 shǒu xìng zhōng xīn	T29 shǒu xìng

T30 arene	T30 benzene	T30 electrophilic substitution
T30 catalyst	T30 halogenoarene	T30 nitration
T30 Friedel–Crafts alkylation	T30 Friedel–Crafts acylation	T30 benzoic acid

T30 qīn diàn qǔ dài	T30 běn	T30 fāng tīng
T30 xiāo huà	T30 lǚ dài fāng tīng	T30 cuī huà jì
T30 běn jiǎ suān	T30 fù kè xiān jī huà	T30 fù kè wán jī huà

T30 hydrogenation	T30 side-chain	T30 benzene ring
T30 delocalisation	T30 directing effect	T31 halogenoarene
T31 arene	T31 catalyst	T31 halogenoalkane

T30 běn huán	T30 cè liàn	T30 qīng huà
T31 lǚ dài fāng tīng	T30 dìng wèi xiào yìng	T30 lí yù
T31 lǚ dài wán	T31 cuī huà jì	T31 fāng tīng

T31 nucleophilic substitution	T31 lone pair	T31 delocalised
T31 nucleophile	T32 alcohol	T32 acyl chloride
T32 ester	T32 phenol	T32 benzene

T31 lí yù	T31 gū duì diàn zi	T31 qīn hé qǔ dài
T32 xiān lǚ	T32 chún	T31 qīn hé shì jì
T32 běn	T32 běn fēn	T32 zhǐ

T32 phenylamine	T32 diazonium salt	T32 azo compound
T32 nitration	T32 bromination	T32 acidity
T32 delocalised	T33 alkylbenzene	T33 benzoic acid

T32 ǒu dàn huà hé wù	T32 zhòng dàn yán	T32 běn àn
T32 suān xìng	T32 xiù huà	T32 xiāo huà
T33 běn jiǎ suān	T33 wán jī běn	T32 lí yù

T33

acyl chloride

T33

carboxylic acid

T33

acidity

T33

phenol

T33

alcohol

T33

electron-withdrawing

T33

inductive effect

T33

ester

T33

ammonia

T33 suān xìng	T33 suō suān	T33 xiān lǚ
T33 xī diàn zì	T33 chún	T33 běn fēn
T33 ān	T33 zhǐ	T33 yòu dǎo xiào yìng

T33 amide	T33 amine	T33 addition–elimination
T33 hydrolysis	T34 amine	T34 halogenoalkane
T34 reduction	T34 amide	T34 nitrile

T33 jiā chéng xiāo qù	T33 àn	T33 xiān àn
T34 lǚ dài wán	T34 àn	T33 shuǐ jiě
T34 jīng	T34 xiān àn	T34 huán yuán

T34 ammonia	T34 condensation	T34 acyl chloride
T34 basicity	T34 phenylamine	T34 delocalised
T34 diazonium salt	T34 phenol	T34 azo compound

T34 xiān lǚ	T34 suō hé	T34 ān
T34 lí yù	T34 běn àn	T34 jiǎn xìng
T34 ǒu dàn huà hé wù	T34 běn fēn	T34 zhòng dàn yán

T34 dye	T34 amino acid	T34 zwitterion
T34 isoelectric point	T34 peptide bond	T34 dipeptide
T34 electrophoresis	T35 condensation polymerisation	T35 polyester

T34 liǎng xìng lí zi	T34 ān jī suān	T34 rǎn liào
T34 èr tài	T34 tài jiàn	T34 děng diàn diǎn
T35 jù zhǐ	T35 suō hé jù hé	T34 diàn yǒng

T35 diol	T35 dicarboxylic acid	T35 polyamide
T35 diamine	T35 amino acid	T35 repeat unit
T35 monomer	T35 addition polymerisation	T35 poly(alkene)

T35 jù xiān àn	T35 èr suō suān	T35 èr chún
T35 chóng fù dān yuán	T35 ān jī suān	T35 èr àn
T35 jù xī tīng	T35 jiā chéng jù hé	T35 dān tǐ

T35 biodegradable	T35 hydrolysis	T36 functional group
T36 acyl chloride	T36 phenol	T36 arene
T36 electrophilic substitution	T36 reduction	T36 oxidation

T36 guān néng tuán	T35 shuǐ jiě	T35 kě shēng wù jiàng jiě
T36 fāng tīng	T36 běn fēn	T36 xiān lǚ
T36 yǎng huà	T36 huán yuán	T36 qīn diàn qǔ dài

T36 carboxylic acid	T36 ester	T36 amine
T36 amide	T36 nitrile	T36 synthetic route
T36 reagent	T36 addition–elimination	T36 by-product

T36 àn	T36 zhǐ	T36 suō suān
T36 hé chéng lù xiàn	T36 jīng	T36 xiān àn
T36 fù chǎn wù	T36 jiā chéng xiāo qù	T36 shì jì

T37 chromatography	T37 thin-layer chromatography	T37 stationary phase
T37 mobile phase	T37 baseline	T37 solvent front
T37 gas/liquid chromatography	T37 retention time	T37 NMR

T37 gù dìng xiāng	T37 báo céng sè pǔ	T37 sè pǔ
T37 róng jì qián yán	T37 jī xiàn	T37 liú dòng xiāng
T37 hé cí gòng zhèn	T37 bǎo liú shí jiān	T37 qì yè sè pǔ

T37 chemical environment	T37 proton	T37 chemical shift
T37 splitting	T37 singlet	T37 doublet
T37 triplet	T37 quartet	T37 multiplet

T37 huà xué wèi yí	T37 zhì zi	T37 huà xué huán jìng
T37 shuāng fēng	T37 dān fēng	T37 liè fēn
T37 duō zhòng fēng	T37 sì fēng	T37 sān fēng

T37 tetramethylsilane	T37 deuterated solvent

T37 dāo dài róng jì	T37 sì jiǎ jī guī wán