

AP Chemistry

Glossary · · every term in the course, A–Z

English	Pinyin
absolute temperature	jué duì wēn dù
 absorbance	xī guāng dù
 acid	suān
 acid-base indicator	suān jiǎn zhǐ shì jì
 activation energy	huó huà néng
active site	huó xìng wèi diǎn
adsorb	xī fù
 alloy	hé jīn
alternative pathway	tì dài lù jìng
 amorphous	fēi jīng tǐ
anion	yīn lí zi
 anode	yáng jí
aqueous	shuǐ róng yè de
Arrhenius equation	ā lún ní wū sī fāng chéng
atomic mass	yuán zi zhì liàng
atomic number	yuán zi xù shù
 atomic radius	yuán zi bàn jìng
atoms	yuán zi
Aufbau principle	gòu zào yuán lǐ

English		Pinyin
 autoionization		zì ǒu diàn lí
autoionization of water		shuǐ de zì ǒu diàn lí
 average atomic mass		píng jūn yuán zi zhì liàng
 average kinetic energy		píng jūn dòng néng
average rate		píng jūn sù lǜ
 Avogadro's number		ā fú gā dé luó cháng shù
balanced equation		pèi píng fāng chéng shì
 base		jiǎn
 Beer-Lambert law	-	bǐ ěr - lǎng bó dìng lǜ
 Beer-Lambert law	-	bǐ ěr - lǎng bó dìng lǜ
Bimolecular		shuāng fèn zǐ
binary acids		wú yǎng suān
 binding energy		jié hé néng
boiling point		fèi diǎn
 bond energy		jiàn néng
 bond enthalpy		jiàn hán
 bond length		jiàn zhǎng
bond order		jiàn jí
bonds		huà xué jiàn
brittleness		cuì xìng
Bronsted-Lowry	-	bù lǎng sī tè - láo lǐ

English	Pinyin
 buffer <i>/ˈbʌfə/</i>	huǎn chōng róng yè
 buffer capacity <i>/ˈbʌfə kəˈpæsɪti/</i>	huǎn chōng róng liàng
 calorimetry <i>/ˌkæləːˈrɪmətri/</i>	liàng rè fǎ
 catalyst <i>/ˈkætəlist/</i>	cūi huà jì
 cathode <i>/ˈkæθəʊd/</i>	yīn jí
cation <i>/ˈkætəɪən/</i>	yáng lí zi
 cell potential <i>/sel pəˈtenʃl/</i>	diàn chí diàn shì
charge <i>/tʃɑːdʒ/</i>	diàn hè
 chemical bond <i>/ˈkemɪkl bɒnd/</i>	huà xué jiàn
 chemical change <i>/ˈkemɪkl tʃeɪndʒ/</i>	huà xué biàn huà
 chemical equilibrium <i>/ˈkemɪkl ˌiːkwɪˈlɪbrɪəm/</i>	huà xué píng héng
chemical formula <i>/ˈkemɪkl ˈfɔːmjʊlə/</i>	huà xué shì
 chemical reaction <i>/ˈkemɪkl rɪˈækʃn/</i>	huà xué fǎn yìng
 Chromatography <i>/krəʊməˈtɒgrəfi/</i>	sè pǔ fǎ
 Collision theory <i>/kəˈlɪʒn ˈθɪəri/</i>	pèng zhuàng lǐ lùn
combined gas law	zǔ hé qì tǐ dīng lǜ
 common-ion effect <i>/ˈkɒmən ˈaɪən ɪˈfekt/</i>	tóng lí zi xiào yìng
complete ionic equation	wán zhěng lí zi fāng chéng shì
compound <i>/ˈkɒmpaʊnd/</i>	huà hé wù
concentration <i>/ˌkɒnsənˈtreɪʃn/</i>	nóng dù
concentration cell	nóng chà diàn chí

English	Pinyin
condenses	lěng níng
 conjugate acid <i>/ˈkɒndʒuːgeɪt ˈæsɪd/</i>	gòng è suān
conjugate acid-base pair	gòng è suān jiǎn duì
 conjugate base <i>/ˈkɒndʒuːgeɪt beɪs/</i>	gòng è jiǎn
conserved <i>/kənˈsɜːvd/</i>	shǒu héng
Coulomb's law <i>/ˈkuːlɒmz lɔː/</i>	kù lún dìng lǜ
 Coulombic attraction <i>/kuːˈlɒmbɪk əˈtrækʃn/</i>	kù lún xī yǐn
counting unit	jì shù dān wèi
coupling	ǒu hé
 covalent bond <i>/ˈkəʊvələnt bɒnd/</i>	gòng jià jiàn
Covalent-network	gòng jià wǎng zhuàng
 crystal lattice <i>/ˈkrɪstl ˈlætɪs/</i>	jīng gé
 crystalline <i>/ˈkrɪstəlaɪn/</i>	jīng tǐ
Dalton's law	dào ěr dùn fēn yā dīng lǜ
 decomposition <i>/ˌdiːkɒmpəˈzɪʃn/</i>	fēn jiě fǎn yìng
 delocalized <i>/dɪˈlɒkəlaɪzd/</i>	lí yù
 delocalized electrons <i>/dɪˈlɒkəlaɪzd ɪˈlektɒnz/</i>	lí yù diàn zi
dilution	xī shì
dipole <i>/ˈdaɪpəl/</i>	ǒu jí
Dipole-dipole	- ǒu jí - ǒu jí
 Dipole-dipole <i>/ˈdaɪpəl ˈdaɪpəl/</i>	- ǒu jí - ǒu jí

English	Pinyin
 Distillation <i>/distɪˈleɪʃn/</i>	zhēng liú
double bond <i>/'dʌbl bɒnd/</i>	shuāng jiàn
 ductile <i>/'dʌktail/</i>	kě yán zhǎn de
dynamic <i>/daɪˈnæmɪk/</i>	dòng tài de
effective collision <i>/ɪˈfektɪv kəˈlɪʒn/</i>	yǒu xiào pèng zhuàng
effective nuclear charge	yǒu xiào hé diàn hè
elastic <i>/ɪˈlæstɪk/</i>	tán xìng
electrically neutral	diàn zhōng xìng
 electrolysis <i>/ɪlekˈtrɒləsɪs/</i>	diàn jiě
electrolytic	diàn jiě chí
 electrolytic cell <i>/ɪˌlektɹəˈlɪtɪk sel/</i>	diàn jiě chí
electromagnetic radiation	diàn cí fú shè
 electromagnetic spectrum <i>/ɪˌlektɹəʊmægˈnetɪk ˈspektrəm/</i>	diàn cí bō pǔ
 electron configuration <i>/ɪˈlektɹən kənˌfɪgjəˈreɪʃn/</i>	diàn zi pái bù
electron domains	diàn zi yù
electron sharing	diàn zi gòng xiǎng
electron transfer <i>/ɪˈlektɹən ˈtrænsfɜː/</i>	diàn zi zhuǎn yí
electronegative <i>/ɪˈlektɹəʊɡətɪv/</i>	diàn fù
 electronegativity <i>/ɪˌlektɹəʊɡəˈtɪvɪti/</i>	diàn fù xìng
electronic	diàn zi yuè qiān

English	Pinyin
 electrons <i>/ɪˈlektɹɒnz/</i>	diàn zi
element <i>/'elɪmənt/</i>	yuán sù
elementary reaction	jī yuán fǎn yìng
 elementary steps <i>/ˌelɪˈmentəri steps/</i>	jī yuán bù zhòu
 empirical formula <i>/emˈpɪrɪkl ˈfɔːmjələ/</i>	shí yàn shì
empirical formula mass	shí yàn shì zhì liàng
 endothermic <i>/ˌendəʊˈθɜːmɪk/</i>	xī rè
energy diagram	néng liàng tú
energy levels <i>/'enədʒi ˈlevlz/</i>	néng jí
 energy profile <i>/'enədʒi ˈprəʊfaɪl/</i>	néng liàng tú
enthalpy change <i>/enˈθælpi tʃeɪndʒ/</i>	hán biàn
 enthalpy of reaction <i>/enˈθælpi ɒv rɪˈækʃn/</i>	fǎn yìng hán
 entropy <i>/'entrəpi/</i>	shāng
entropy change <i>/'entrəpi tʃeɪndʒ/</i>	shāng biàn
Enzyme <i>/'enzaim/</i>	méi
 equilibrium <i>/ˌɪːkwɪˈlɪbrɪəm/</i>	píng héng
= equilibrium constant <i>/ˌɪːkwɪˈlɪbrɪəm ˈkɒnstənt/</i>	píng héng cháng shù
 equivalence point <i>/ɪˈkwɪvələns pɔɪnt/</i>	děng dāng diǎn
evidence <i>/'evɪdəns/</i>	zhèng jù
excess reactant	guò liàng fǎn yìng wù
exchange rate <i>/eksˈtʃeɪndʒ reɪt/</i>	huàn suàn guān xì

English	Pinyin
 excited state <i>/ek'saɪtɪd steɪt/</i>	jī fā tài
 exothermic <i>/egzə'ðɜ:mɪk/</i>	fàng rè
 expanded octet <i>/ek'spændɪd ɒk'tet/</i>	kuò zhǎn bā yú tǐ
 Faraday's law <i>/'færədeɪz lɔ:/</i>	fǎ lǎ dì dīng lǜ
 formal charge <i>/'fɔ:ml tʃɑ:dʒ/</i>	xíng shì diàn hè
free energy of dissolution	róng jiě zì yóu néng
 free valence electrons <i>/fri: 'veɪləns ɪ'lektrɒnz/</i>	zì yóu jià diàn zì
frequency <i>/'fri:kwənsi/</i>	pín lǜ
galvanic	yuán diàn chí
 galvanic (voltaic) cell <i>/gæl'vænɪk sel/</i>	yuán diàn chí
gas constant <i>/gæs 'kɒnstənt/</i>	qì tǐ cháng shù
gas formation	qì tǐ shēng chéng
Gases <i>/'gæsiːz/</i>	qì tǐ
 geometric isomers <i>/,dʒi:əʊ'metrɪk 'aɪsəməz/</i>	jǐ hé yì gòu tǐ
 Gibbs free energy <i>/gɪbz fri: 'enədʒi/</i>	jí bù sī zì yóu néng
ground state <i>/graʊnd steɪt/</i>	jī tài
half-equivalence point	bàn děng dāng diǎn
 half-life <i>/hɑ:f laɪf/</i>	bàn shuāi qī
half-reactions	bàn fǎn yìng
 heat <i>/hi:t/</i>	rè liàng
 heat of fusion <i>/hi:t ɒv 'fju:ʒn/</i>	róng huà rè

English		Pinyin
 heat of vaporization <i>/hi:t ɒv ,veɪpəraɪ'zeɪʃn/</i>		qì huà rè
heating curve <i>/'hi:tɪŋ kɜ:v/</i>		jiā rè qū xiàn
 Henderson-Hasselbalch equation <i>/'hendəsən 'hæslbəltʃɪ'kweɪʒn/</i>	-	hēng dé sēn - hā sāi ěr bā hè fāng chéng
 Hess's law <i>/'hesɪz lɔ:/</i>		hè sī dīng lǜ
Heterogeneous catalyst <i>/,hetrə'dʒi:nɪəs 'kætəlist/</i>		fēi jūn xiāng cuī huà jì
heterogeneous mixture		fēi jūn xiāng hùn hé wù
Homogeneous catalyst <i>/hə'məʊdʒɪnɪəs 'kætəlist/</i>		jūn xiāng cuī huà jì
homogeneous mixture		jūn xiāng hùn hé wù
Hund's rule		hóng tè guī zé
 hybridization <i>/,haɪbrɪdaɪ'zeɪʃn/</i>		zá huà
 Hydrogen bonding <i>/'haɪdrədʒn 'bɒndɪŋ/</i>		qīng jiàn
 hydronium ion <i>/haɪ'drəʊnɪəm 'aɪən/</i>		shuǐ hé qīng lí zì
ideal gas <i>/aɪ'diəl gæs/</i>		lǐ xiǎng qì tǐ
 ideal gas law <i>/aɪ'diəl gæs lɔ:/</i>		lǐ xiǎng qì tǐ dīng lǜ
incomplete octet		bù wán quán bā yú tǐ
indicator <i>/'ɪndɪkətə/</i>		zhǐ shì jì
Infrared <i>/,ɪnfə'red/</i>		hóng wài
instantaneous rate		shùn shí sù lǜ
integrated rate law		jī fēn sù lǜ fāng chéng
 intermediate <i>/,ɪntə'mi:diət/</i>		zhōng jiān tǐ

English		Pinyin
 intermolecular forces <i>/ˌɪntəməˈlekjələ ˈfɔːsɪz/</i>		fèn zǐ jiàn zuò yòng lì
interstitial alloy		jiàn xì hé jīn
intramolecular		fèn zǐ nèi
ion <i>/ˈaɪɒn/</i>		lí zǐ
Σ ion-product constant of water <i>/ˈaɪɒn ˈprɒdʌkt ˈkɒnstənt ɒv ˈwɔːtə/</i>		shuǐ de lí zǐ jī
Ionic		lí zǐ xíng
 ionic bond <i>/aɪˈɒnɪk bɒnd/</i>		lí zǐ jiàn
$\pm$ ionic compound <i>/aɪˈɒnɪk ˈkɒmpaʊnd/</i>		lí zǐ huà hé wù
 ionic solid <i>/aɪˈɒnɪk ˈsɒlɪd/</i>		lí zǐ gù tǐ
 ionization energy <i>/ˌaɪənaɪˈzeɪʃn ˈenədʒi/</i>		diàn lí néng
ionize		diàn lí
 Ion–dipole <i>/ˈaɪɒn ˈdaɪpəl/</i>	-	lí zǐ ǒu jí
 isotope <i>/ˈaɪsətəʊp/</i>		tóng wèi sù
 kelvin <i>/ˈkelvɪn/</i>		kāi ěr wén
kinetic control		dòng lì xué kòng zhì
 kinetic energy <i>/kɪˈnetɪk ˈenədʒi/</i>		dòng néng
 kinetic molecular theory <i>/kɪˈnetɪk məˈlekjələ ˈθɪəri/</i>		fēn zǐ yùn dòng lùn
 Kinetics <i>/kɪˈnetɪks/</i>		dòng lì xué
 lattice <i>/ˈlætɪs/</i>		jīng gé
 lattice energy <i>/ˈlætɪs ˈenədʒi/</i>		jīng gé néng

English		Pinyin
 Le Chatelier's principle <i>/lə ˈtʃeɪlɪəz ˈprɪnsɪpl/</i>		lěi xià tè liè yuán lǐ
 Lewis diagram <i>/ˈluːɪs ˈdaɪəgræm/</i>		lù yì sī jié gòu shì
like dissolves like		xiāng sì xiāng róng
 limiting reactant <i>/ˈlɪmɪtɪŋ rɪˈæktənt/</i>		xiàn liàng fǎn yìng wù
Liquids		yè tǐ
London dispersion <i>/ˈlʌndn dɪˈspɜːʃn/</i>		lún dūn sè sǎn lì
 London dispersion forces <i>/ˈlʌndn dɪˈspɜːʃn ˈfɔːsɪz/</i>		lún dūn sè sǎn lì
lone pair <i>/ləʊn peə/</i>		gū duì diàn zǐ
luster		guāng zé
 Macroscopic <i>/ˌmækrəˈskɒpɪk/</i>		hóng guān
malleability <i>/ˌmæləˈbɪlɪti/</i>		yán zhǎn xìng
 malleable <i>/ˌmæləbəl/</i>		kě yán zhǎn
mass number <i>/mæs ˈnʌmbə/</i>		zhì liàng shù
% mass percent <i>/mæs pəˈsent/</i>		zhì liàng fēn shù
 mass spectrometer <i>/mæs spekˈtrɒmɪtə/</i>		zhì pǔ yí
 mass spectrum <i>/mæs ˈspektrəm/</i>		zhì pǔ tú
mass-to-charge ratio <i>/mæs tə ˈtʃɑːdʒ ˈreɪʃiəʊ/</i>		zhì hé bǐ
Maxwell-Boltzmann distribution	-	mài kè sī wéi - bō ěr zī màn fēn bù
Metallic		jīn shǔ xíng
 metallic bond <i>/məˈtæɪlɪk bɒnd/</i>		jīn shǔ jiàn

English	Pinyin
metals	jīn shǔ
<i>/ˈmetlz/</i>	
method of initial rates	chū shǐ sù lǜ fǎ
microstates	wēi guān zhuàng tài
↻ mixture	hùn hé wù
<i>/ˈmɪkstʃə/</i>	
mobile phase	liú dòng xiāng
<i>/ˈməʊbaɪl feɪz/</i>	
molar absorptivity	mó ěr xī guāng xī shù
⚖ molar mass	mó ěr zhì liàng
<i>/ˈməʊlə mæs/</i>	
🔍 molar solubility	mó ěr róng jiě dù
<i>/ˈməʊlə ˌsɒljuːˈbɪlɪti/</i>	
🔍 molarity	mó ěr nóng dù
<i>/məʊˈlærɪti/</i>	
# mole	mó ěr
<i>/məʊl/</i>	
mole fraction	mó ěr fēn shù
<i>/məʊl ˈfrækʃn/</i>	
÷ mole ratio	mó ěr bǐ
<i>/məʊl ˈreɪʃiəʊ/</i>	
Molecular	fēn zǐ xíng
molecular equation	fēn zǐ fāng chéng shì
⬡ molecular formula	fēn zǐ shì
<i>/məˈleɪkjələ ˈfɔːmjələ/</i>	
molecular polarity	fēn zǐ jí xìng
molecularity	fēn zǐ shù
multistep reaction	duō bù fǎn yìng
📄 Nernst equation	néng sī tè fāng chéng
<i>/nɜːnst ɪˈkweɪʒn/</i>	
= net ionic equation	jìng lí zì fāng chéng shì
<i>/net aɪˈɒnɪk ɪˈkweɪʒn/</i>	
◯ neutral	zhōng xìng
<i>/ˈnjuːtrəl/</i>	

English	Pinyin
neutral molecules	zhōng xìng fēn zǐ
⚖ neutralization	zhōng hé
<i>/ˌnjuːtrəlaɪˈzeɪʃn/</i>	
neutrons	zhōng zi
<i>/ˈnjuːtrɒnz/</i>	
nonmetals	fēi jīn shǔ
Nonpolar	fēi jí xìng
nonpolar covalent	fēi jí xìng gòng jià
🎯 nucleus	yuán zǐ hé
<i>/ˈnjuːklɪəs/</i>	
observable species	kě guān cè wù zhǒng
◯ octet	bā yú tǐ
<i>/ɒkˈtɛt/</i>	
octet rule	bā yú guī zé
orbital	guǐ dào
<i>/ˈɔːbɪtl/</i>	
⚖ orders	fǎn yìng jí shù
<i>/ˈɔːdəz/</i>	
orientation	qǔ xiàng
<i>/ˌɔːrɪənˈteɪʃn/</i>	
overall order	zǒng jí shù
<i>/ˌəʊvəˈɔːl ˈɔːdə/</i>	
↑ Oxidation	yǎng huà
<i>/ˌɒksɪˈdeɪʃn/</i>	
oxidation number	yǎng huà shù
<i>/ˌɒksɪˈdeɪʃn ˈnʌmbə/</i>	
oxidized	bèi yǎng huà
↑ oxidizing agent	yǎng huà jì
<i>/ˈɒksɪdaɪzɪŋ ˈeɪdʒənt/</i>	
oxyacids	hán yǎng suān
partial pressure	fēn yā
<i>/ˈpɑːʃl ˈpreʃə/</i>	
• Particulate	wēi lì
<i>/pɑˈtɪkjələɪt/</i>	

English		Pinyin
particulate diagram		wēi lì tú
path length		guāng chéng
Pauli exclusion principle		pào lì bù xiāng róng yuán lǐ
 percent composition		bǎi fēn zǔ chéng
/pə'sent ˌkɒmpə'zɪʃn/		
percent yield		chǎn lǚ
periodic trends		zhōu qī xìng biàn huà qū shì
 pH	pH	pH zhí
/pi: ɛɪʃ/		
 phase change		xiāng biàn
/feɪz tʃeɪndʒ/		
photoelectric effect		guāng diàn xiào yìng
/ˌfəʊtəʊ'lektɹɪk ɪ'fekt/		
 photoelectron spectroscopy		guāng diàn zì néng pǔ
/ˌfəʊtəʊ'lektrɒn spek'trɒskəpi/		
 photons		guāng zì
/'fəʊtɒnz/		
 physical change		wù lǐ biàn huà
/'fɪzɪkl tʃeɪndʒ/		
= pi bond	π	π jiàn
/paɪ bɒnd/		
# Planck's constant		pǔ lǎng kè cháng shù
/plæŋks 'kɒnstənt/		
polar		jí xìng
/'pəʊlə/		
 polar covalent		jí xìng gòng jià
/'pəʊlə 'kəʊvələnt/		
polarizable		yì jí huà
 potential energy		shì néng
/pə'tenʃl 'enədʒi/		
pre-equilibrium approximation		yù píng héng jìn sì
 precipitate		chén diàn
/prɪ'sɪpɪteɪt/		

English		Pinyin
precipitation reaction		chén diàn fǎn yìng
products		shēng chéng wù
/'prɒdʌkts/		
proton transfer		zhì zì zhuǎn yí
protons		zhì zì
/'prəʊtɒnz/		
pure substance		chún jìng wù
 rate constant		sù lǚ cháng shù
/reɪt 'kɒnstənt/		
 rate law		sù lǚ dīng lǚ
/reɪt lɔ:/		
rate of reaction		fǎn yìng sù lǚ
/reɪt ɒv rɪ'ækʃn/		
 rate-determining step		jué sù bù
/reɪt dɪ'tɜːmɪnɪŋ step/		
reactants		fǎn yìng wù
/rɪ'æktənts/		
reaction energy profile		fǎn yìng néng liàng tú
 reaction mechanism		fǎn yìng jī lǐ
/rɪ'ækʃn 'mekənɪzəm/		
÷ reaction quotient		fǎn yìng shāng
/rɪ'ækʃn 'kwɒʃjənt/		
 reaction rate		fǎn yìng sù lǚ
/rɪ'ækʃn reɪt/		
real gases		zhēn shí qì tǐ
rearrangement of atoms		yuán zì zhòng pái
 redox		yǎng huà huán yuán
/rɪ'dɒks/		
redox reaction		yǎng huà huán yuán fǎn yìng
/rɪ'dɒks rɪ'ækʃn/		
reduced		bèi huán yuán
/rɪ'djuːst/		
↓ reducing agent		huán yuán jì
/rɪ'djuːsɪŋ 'eɪdʒənt/		
↓ reduction		huán yuán
/rɪ'dʌkʃn/		

English		Pinyin
 relative abundance		xiāng duì fēng dù
 resonance		gòng zhèn
resonance structure		gòng zhèn jié gòu
 reversible reaction		kě nì fǎn yìng
rotational		zhuǎn dòng
Saturated		bǎo hé
sea of electrons		diàn zi hǎi
shielding		píng bì
 sigma bond	σ	σ jiàn
Solids		gù tǐ
 solubility		róng jiě dù
solubility equilibrium		róng jiě píng héng
 solubility product		róng dù jī
solubility rules		róng jiě dù guī zé
 solute		róng zhì
 solution		róng yè
 solvent		róng jì
 specific heat		bǐ rè róng
 specific heat capacity		bǐ rè róng
 spectator ions		páng guān lí zi
spectrophotometry		fēn guāng guāng dù fǎ

English	Pinyin
 Spectroscopy	guāng pǔ xué
standard cell potential	biāo zhǔn diàn chí diàn shì
 standard enthalpy of formation	biāo zhǔn shēng chéng hán
 standard molar entropy	biāo zhǔn mó ěr shāng
standard solution	biāo zhǔn róng yè
 state function	zhuàng tài hán shù
states of matter	wù zhì zhuàng tài
stationary phase	gù dìng xiāng
 stoichiometry	huà xué jì liàng
strong	qiáng
 strong acid	qiáng suān
 strong base	qiáng jiǎn
subshells	yà céng
substitutional alloy	zhì huàn hé jīn
Supersaturated	guò bǎo hé
Surface area	biǎo miàn jī
surroundings	huán jìng
 Symbolic	fú hào
 synthesis	huà hé fǎn yìng
system	xì tǒng

English	Pinyin
 tangent	qiè xiàn
<i>/ˈtændʒənt/</i>	
 Temperature	wēn dù
<i>/ˈtemprɪtʃə/</i>	
 Termolecular	sān fēn zi
 tetrahedral	sì miàn tǐ
<i>/ˌtetrəˈhiːdrəl/</i>	
 theoretical yield	lǐ lùn chǎn liàng
<i>/θiəˈretɪkl ˈjiːld/</i>	
 thermal equilibrium	rè píng héng
<i>/ˈθɜːml ˌiːkwɪˈlɪbrɪəm/</i>	
 Thermochemistry	rè huà xué
<i>/ˈθɜːməkemɪstri/</i>	
 thermodynamic control	rè lì xué kòng zhì
 thermodynamically favorable	rè lì xué yǒu lì de
<i>/ˌθɜːmədaɪˈnæmɪkli ˈfeɪvərəbl/</i>	
 titration	dī dīng
<i>/taɪˈtreɪʃn/</i>	
 titration curve	dī dīng qū xiàn
<i>/taɪˈtreɪʃn kɜːv/</i>	
 transition state	guò dù tài
<i>/trænˈsɪʃn steɪt/</i>	
 trigonal planar	píng miàn sān jiǎo xíng
<i>/ˈtrɪɡənl ˈpleɪnə/</i>	
 triple bond	sān jiàn
<i>/ˈtrɪpl bɒnd/</i>	
 Ultraviolet and visible	zǐ wài hé kě jiàn
 Unimolecular	dān fèn zǐ
 Unsaturated	bù bǎo hé
<i>/ʌnˈsætʃəreɪtɪd/</i>	
 valence electrons	jià diàn zi
<i>/ˈveɪləns ɪˈlektɹɒnz/</i>	
 vibrational	zhèn dòng
<i>/vaɪˈbreɪʃənl/</i>	
 VSEPR	jià céng diàn zi duì hù chī
<i>/ˈvespə/</i>	

English	Pinyin
 VSEPR theory	jià céng diàn zi duì hù chī lǐ
<i>/ˈvespə ˈθiəri/</i>	lùn
 wavelength	bō cháng
<i>/ˈweɪvlɛŋθ/</i>	
 weak	ruò
<i>/wiːk/</i>	
 weak acid	ruò suān
<i>/wiːk ˈæsɪd/</i>	
 weak base	ruò jiǎn
<i>/wiːk beɪs/</i>	
 weighted average	jiā quán píng jūn