

化学英语名词

explosion [?'k'splo ??n] 爆炸(=burst, 联系时政)	saturated ['s?t ??,ret ?d] solution [s?'lu ??n]
饱和溶液	
unsaturated solution 不饱和溶液	pure [pjur] substance ['s ?bst ?ns] 纯净物
catalyst ['k?t ?l?st] 催化剂	deliquesce [,d ?l?'kw ?s] 潮解
ozone ['ozon] 臭氧	electron [?'l?ktr n]电子
elementary [, ?l?'m ?nt ?r ?] substance 单质	nitrogen ['na ?tr ?d ??n] 氮气
starch [st rt?]淀粉	protein ['proti ?n] 蛋白质
carbon ['k rb?n]dioxide [da ? ksa?d]二氧化碳	steel 钢
preparation [,pr ?p ?'re ??n] of carbon dioxide 二氧化碳制法	gold 金
properties ['pr p? ta?s] of carbon dioxide 二氧化碳性质	air 空气
use of carbon dioxide 二氧化碳用途	molecule ['m l?,kju] 分子
phenolphthalein ['fin ?l' ?l]酚酞	reactant [r ??kt ?nt] 反应物
non-metal element [' ?l?'m ?nt] 非金属元素	chemical change 化学变化
decomposition [,dik mp?'z ???n]reaction [r ??k ??n] 分解反应	alloy ['?l ??] 合金
double decomposition reaction 复分解反应	valence ['vel ?ns] 化合价
compound ['k mpaund] fertilizer ['f ?tl,a ?z ?] 复合肥料	mixture ['m ?kst ??]混合物
composite [k ?m'p z?t]materials [met'ra ??ls] 复合材料	nuclear ['nju:kl ??] change 核电荷
chemical property ['pr p?t?] 化学性质	chemical formula ['f ?rmj ?l ?] 化学式
compound ['k mpaund] 化合物	chemical equation [?'kwe ??n] 化学方程式
combination [,k mb?'ne ??n] reaction 化学反应	coal 煤
slow oxidation [, ks?'de ??n]缓慢氧化	reduction [r ?d ?k ??n] reaction 还原反应
fossil ['f s!fue]l ['fju ?l] 化石燃料	synthetic [s?n' t?R] rubber ['r ?b ?] 合成橡胶
synthetic [s?n' t?R] fiber ['fa ?b ?]合成纤维	chemical fertilizer ['f ?tl,a ?z ?] 化学肥料

metal element	金属元素	crystal	['kr ?st!] 晶体	
crystallization	[,kr ?st! ?'ze ??n] 结晶	alkali	['?lk ?,la ?] 结晶	
diamond	['da ??m ?nd] 金刚石	methane	['m ? er甲烷	
methanol	['m ? ,?hol] 甲醇			
composition	of air 空气的组成	air pollution	空气污染	
liquefaction	[,l ?kw ?f?k ??n] of air 空气液化	separation	[,s ?p ?'re ??n] of air 空气分离	
mineral	['m ?n ?r ?l] 矿物	(新 概 念 词 汇)		
		ion	['a ??n] 离子	
sulphuric acid	['?s ?d] 硫酸 (acid 酸 , 新概念词汇)	extinguisher	[?k'st ??gw ???] 灭火器	
sodium	['sod ??m] chloride	['sod ??m] 氯酸钠	aluminium	[, ?lj ?'m ?n ??m] 铝
pesticide	['p ?st ?,sa ?d] 农药	nano-materials	[m ?'t ?r ??ls] 纳米农药	
glucose	['glukos] 葡萄糖	hydrogen	['ha ?dr ?d ??n] 氢气	
properties of hydrogen	氢气的性质	hydrochloric acid	氢气酸	
sodium	['sod ??m] hydroxide	[ha ?dr ks,a?d] 氢氧化钠	combustion	[k ?m'b ?st ??n] 燃烧
calcium	['k?ls ??m] hydroxide	氢氧化钙	dissolved	[k ?m'b ?st ??n] 溶解
solution	[s ?'lu ??n] 溶液	solvent	['s lv?nt] 溶剂	
solute	[s 'ljut] 溶质	solubility	[,s lj ?'b ?l ?t ?] 溶解度	
solubility curve	[k ?v] 溶解度曲线	mass fraction	['fr?k ??n] of solute 溶质质量分数	
emulsion	[?m ?l ??n] 乳浊液	pig iron	['a ??n] 生铁	
product	['pr d?kt] 生成物	acid	['?s ?d] 酸	
acidity	[?'s ?d ?t ?] and basicity	[be's ?s ?t ?] 酸碱度	water	水
composition of water	水的组成	water pollution	水的污染	
graphite	['gr?fa ?] 石墨	acid rain	酸雨	
litmus	['l ?tm ?s] 石蕊	food additive	['?d ?t ?v] 食品添加剂	

petroleum [p ?'trol ??m]	石油	plastics ['pl?st ?ks]	塑料
carbon 碳		properties of carbon	碳的性质
carbohydrate ['k rb?'ha?dret]	碳水化合物	iron ['a ?? n]	铁
sodium carbonate ['k rb?,net]	碳酸钠	nature gas	天然气
physical ['f ?z ?k!] change	物理变化	physical property	物理性质
amorphous [?'m ?rf ?s] carbon	无定形碳	vitamin ['va ?t ?m ?n]	维生素
greenhouse effect [?'f ?kt]	温室效应	copper ['k p?]	铜
relative ['r ?l ?t ?v] atomic [?'t m?k]mass	相对原子质量	rust [r ?st]	铁锈
relative molecular [m ?'l ?kj ?l ?] mass	相对分子质量	rare [r ?r] gas	稀有气体
nitric ['na ?tr ?k] acid	硝酸	atom ['?t ?m]	原子
atomic [?'t m?k]structure ['str ?kt ??]	原子结构	atomic nucleus ['njukl ??s]	原子核
anion ['?n,a ??n]	阳离子	cation ['k?ta ??n]	阴离子
element 元素		symbols ['s ?mb!s] for elements	元素符号
periodic [p ?r?' d?k]able of the elements	元素周期表	salt [s ?lt]	盐
atomic group [grup]	原子团	oxidation [, ks?'de??n]reaction [r ??k ??n]	氧化反应
oxide [r ??k ??n]	氧化物	oxygen [' ks?'d??n]	氧气
preparation of oxygen	氧气的制法	properties of oxygen	氧气的性质
use of oxygen	氧气的性质	drinking water	饮用水
hard water 硬水		carbon monoxide [m n' ksa?'d]	氧化碳
properties of carbon monoxide	一氧化碳的性质	drug	药品
organic [?'r'g?'n ?k] compound ['k mpaund]	有机物	acetic [?'sit ?k] acia	乙酸
ethanol [' ? ,?ol]	乙醇	nutrient ['njutr ??nt]	营养品
oil 油		proton ['prot n]	质子

neutron	[ˈnjuˌtrɒn]	中子	displacement reaction	[rɪˈpeɪsmənt ˈreɪʃən]	置换反应
law of conservation	[ˌkɒnsəˈveɪʃən]	of mass	质量守恒定律		fat 脂肪
neutralization	[ˌnjuːtrəˈleɪzəʃən]	reaction	中和反应	sucrose	[ˈsjʊkros] 蔗糖
autoignition		自燃		indicator	[ˈɪndɪˌkeɪtər] 指示剂
alkali	[ˈʔlkʰə,laʔ]	碱		reactive	[rɪˈʔktɪv] 活泼
react	[rɪˈʔkt]	反应		filter	[ˈfɪltər] 过滤
filtrate	[ˈfɪltreɪt]	滤液		test	[tɛst] tube [tjuːb] 试管
spirit lamp		酒精灯	chemical apparatus	[ˌpʰɛˈretʰs]	化学仪器
dropper	[ˈdrɒpər]	滴管	asbestos	[əˈsbestəs]	network [ˈnetwɜːk] 石棉网
Set cylinder	[ˈsɛtɪˌlɪndər]	集气瓶		Glass rod	[ˈglɑːsrɒd] 玻璃棒
Condenser		冷凝管		jar	[dʒɑːr] 广口瓶
Flask		锥形瓶		Rubber plug	[ˈrʌbərplʌɡ] 橡皮塞
Medicine spoon		药匙		Filter paper	滤纸
Forceps		镊子		Crucible tongs	[ˈkrʊsɪbltɒŋz] 坩埚钳
beaker	[ˈbiːkər]	烧杯		Graduated cylinder	[ˈɡrædʒuˌeɪtɪd ˈsɪlɪndər] 量筒
Particle	[ˈpɑːrtɪkəl]	微粒		light	点燃
Electrolysis		电解		Heating	加热
Molecule	[ˈmɒlɪˌkjuːl]	分子		Sink	水槽
Boiled		煮沸		Thermometer	[ˈθɜːmɒˌmɪtər] 温度计
liquefaction	[ˌliːkwəˈfɛkʃən]	液化		vaporize	[ˈveɪpəˌraɪz] 汽化
solidify	[sɒlɪˈfaɪ]	凝固		condensation	[ˌkɒndəˈneɪʃən] 凝华

sublime [s ?'bla ?m]	升华	melt [m ?lt]	熔化
evaporate [?'v?p ?,ret]	蒸发	alum [?'l ?m]	明矾
Conductive [k ?n'd ?kt ?v]	导电	Solid	固态
Battery ['b?t ?r ?]	干电池	Diamond	钻石
Alcohol [?'lk ?,h ?l]	酒精	dry ice	干冰
Vapor ['vep ?]	汽态	Liquid [l ?kw ?d]	state [stet] 液态
rust [r ?st]	铁锈	Liquid [l ?kw ?d]	液体
Reduction [r ?'d ?k ??n]	reaction 还原反应	Dissolve [d ?'z ?lv]	溶解
Peroxide [p ?'r ?ksa ?d]	过氧化氢	acetic [?'sit ?k]	acid 醋酸
Potassium [p ?'t?s ??m]	permanganate [p ?'m ??g ? ,net]	高锰酸钾	
Biological [,bai ?'l ?d ?ik ?l]	Trace Element	生物微量元素	
Caustic ['k ?st ?k]	soda 烧碱	(soda 苏打) - Soda ash [? ?]	
Hydrated ['ha ?dret ?d]	lime [la ?m]	熟石灰 Quicklime ['kw ?k ,la ?m]	
Limestone	石灰石	Activated [?'kt ?,vet ?d] Carbon 活性炭	
Soda	苏打	Baking soda 小苏打	
dilute [da ?'lut]	稀释	carbonic [k ?r'b ?n ?k] acid 碳酸	
nitric ['na ?tr ?k]	acid 硝酸	sulfuric [s ?l'fjur ?k] acid 硫酸	
hydrogen ['ha ? dr ?d ? ?n]	氢	nitrogen ['na ?tr ?d ??n]	
sodium ['sod ??m]	钠	magnesium ['m ?g'ni ???m]	
aluminum [?'lum ?n ?m]	铝	phosphorous ['f ?sf ?r ?s]	
sulfur [s ?lf ?]	硫	chlorine ['klorin]	
potassium [p ?'t?s ??m]	钾	calcium ['k ?ls ??m]	
titanium [ta ?ten ??m]	钛	iron ['a ?? n]	


copper ['kɒpə] 铜


silver ['sɪlvə] 银





zinc [zɪŋk] 锌

iodine [aɪˈdaɪn] 碘

物理英语名词

mechanical motion ['moʃn] 机械运动	motion 运动
reference ['rɛfərəns] object 参照物	rest 静止
velocity [vɛlɪsɪti] 速度	sound 声音
uniform rectilinear [ˌrɪktɪˈlɪnɪə] motion 匀速直线运动	
variable ['vəriəbəl]  rectilinear motion 变速直线运动	
musical sound 乐音	noise 噪音
pitch [pɪtʃ] 音调	frequency ['frɪkwənsɪ] 频率
loudness 响度	musical quality ['kwɪlɪti] 音色
ultrasound : ['ʌltrəsʌnd] 超声	infrasonic sound [ˌɪnfərəˈsɒnɪk] 次声
light 光	reflection [rɪˈflɛkʃn] of light 光的反射 mirror
reflection 镜面反射	
diffuse [dɪˈfjuːz] reflection 漫反射	refraction [rɪˈfrækʃn] of light 光的折射
convex ['kɒnvɛks] lens [lɛnz] 凸透镜	concave ['kɒnkeɪv] lens 凹透镜
convergent [kɒnˈvɛdʒnt] lens 汇聚透镜（凸透镜）	divergent [daɪˈvɛdʒnt] lens 发散透镜（凹透镜）
force [fɔːs] 力	elastic [ɪˈlæstɪk] force 弹力
gravity ['grævɪtɪ] 重力	weight [weɪt] 物重（重力）
center of gravity 重心	sliding [ˈslaɪdɪŋ] frictional [frɪkʃənəl] force 滑动摩擦力
Newton's first law 牛顿第一定律	inertia [ɪˈnɜːʃiə] 惯性
mass [mæs] 质量	density ['densɪtɪ] 密度

buoyancy	[ˈbɔɪəns]	force	浮力		
pressure	[ˈprɛʃər]		压力	pressure	压强
atmospheric	[ˌætməˈsferɪk]	pressure	气压	standard atmospheric pressure	标准大气压
lever	[ˈlɛvər]		杠杆	fixed pulley	[ˈpul] 定滑轮
movable	[ˈmʊvəbəl]		pulley 动滑轮	mechanical work	机械功
power			功率	mechanical efficiency	[ˈfɪʃns] 机械效率
kinetic energy			: [kɪnɪtɪk] 动能	energy	能量
potential energy			[pɒtɪnʃl] 势能	mechanical energy	机械能
crystal	[ˈkrɪstl]		晶体	noncrystal	非晶体
melting	[ˈmɛltɪŋ]		熔化	melting point	[pɒnt] 熔点
vaporization	[ˌveɪpəraɪzən]		汽化	boiling	[ˈbɔɪlɪŋ] 沸腾
vaporation			蒸发	sublimation	[səblɪˈmeɪʃən] 升华
solidification	[sɒlɪdɪfɪˈkeɪʃən]		凝固	solidifying	: [sɒlɪdɪfaɪ] point 凝固点
liquefaction	[ˌlɪkwɪfɪˈkɛɪʃən]		液化	condensation	[ˌkɒndənˈseɪʃən] 凝华
internal			[ɪnˈtɜːnl] energy 内能	heat quantity	: [ˈkwɒntɪtɪ] 热量
specific	[spɪsɪfɪk]	heat capacity	[kəpəsɪtɪ] 比热容	heat engine	[ˈhændʒɪn] 热机
internal-combustion			[kəmˈbʌstɪən] engine 内燃机		
electric	[ɪˈlektrɪk]	charge	[tʃɑːdʒ] 电荷	positive	[ˈpɒzɪtɪv]charge 正电荷
negative	[ˈneɡətɪv]	charge	负电荷	series	[ˈsɪrɪz] connection [kəˈnɛkʃən] 串联
parallel	[ˈpærəˌlɪl]	connection	并联	electric current	[ˈkɜːnt] 电流
ampere	[ˈæmˌpɛr]		安培	voltage	[ˈvɒltɪdʒ] 电压
volt			福特	ohm ‘s law	欧姆定律
electric power			电功率	rated	[ˈretɪd] voltage 额定电压

rated current	额定电流	rated power	额定功率
electromagnetic	[?l?ktrom?g'n ?t?k]	induction	[?n'd ?k??n] 电磁感应现象
induced electric current	感应电流		
lightguide	[la ?tga ?d] fiber	[fa ?b?]	光导纤维
elasticity	[?,l?s't ?s?t?]	弹性	
hardness	硬度	ducility	延展性
chemical energy	化学能	nuclear	[?njukl ??] energy 核能
law of conservation	[,k ns?'ve??n] of energy	能量守恒定律	
renewable	[r ?'nju ?b!]	 energy source	[sors] 可再生能源
nonrenewable energy source	不可再生能源	nuclear fission	[f ???n] 核裂变
nuclear fusion	[fju ??n] 核聚变	geothermal	[,d ?io' m?] energy 地热能
tidal	[?ta ?d!]	 energy	潮汐能
wind energy	风能		
angle	[??g!]	 of emergence	[?m ? d??ns] 出射角
light beam	[bim]	光束 / 光柱	
angle of incidence	[?ns ?dns]	入射角	light ray 光线
angle of reflection	[r ?fl ?k??n]	反射角	light source [sors] 光源
angle of refraction	[r ?fr?k ??n]	折射角	mains frequency [frikw ?ns ?] 市电频率
apparent	[?p?r ?nt] depth	[d ?p 视深	medium [mid ??m] 介质
binoculars	[b ?'n kj?l?s]	双筒望远 （新概念词汇）	boiler [b ??l?] 锅炉
microwave	[ma ?kro,wev]	微波	mirage [m ?'r ?]海市蜃楼，蜃景
Celsius temperature scale	[skel]	摄氏温标	mirror 镜
change of state	物态变化	multiple	[m ?lt ?p!]  image [?m ?d?] 复像
multiple reflection	多次反射	condensation	[,k nd?n'se??n] 凝结，凝聚
mutually	[?mjut ?u?l?]	perpendicular	[,p ?p ?n'd ?kj ?l?]互相垂直的
colour	颜色		
condensation	[,k nd?n'se??n] point	凝点，凝结点	normal 法线

coolant ['kʊl ʔnt] 冷却剂

object 物，物体

cooling curve [k ʔ v] 冷却曲

object distance 物距

critical ['kr ʔt ʔk!]  angle 临界

optical [' ptʔk!]fibre ['fa ʔb?] 光导纤维，光纤

degree [d ʔ'gri] 度

optical [' ptʔk!]illusion [ʔlju ʔʔn] 光幻象，视错觉

degree Celsius (cEntigrade) 摄氏度

optically [' ptʔkl?]dense medium ['mid ʔʔm] 光密介质

deviation [,div ʔe ʔʔn] 偏向，偏差

optically less dense [d ʔns] medium 光疏介质