

- △ spectrum ['spektrəm]
 - n. 光谱; 范围 (a continuous sequence or range)
- △ thermal ['θɜ:məl]
 - a. 热的, 热量的 (pertaining to heat); 温暖的 (warm);
 - n. 热气流 (rising current of warm air)
- △ velocity [vi'li:siti]
 - n. 速度 (quickness of motion; speed); 迅速 (rapidity of movement)
- △ carat ['kəɾət]
 - n. (宝石重量单位) 克拉; (金子) 开
- △ centrifugal [sen'trifigəl]
 - a. 离心的 (moving or tending to move away from a center)
- △ centripetal [sen'tripitl]
 - a. 向心的 (moving or tending to moving move towards a center)
- △ assay [ə'sei]
 - v./n. 试验, 测定 (testing for quality)
- △ inelasticity [ˌɪnɪlɪs'tisiti]
 - n. 无弹性, 无伸缩性
- △ lever ['li:və]
 - n. 杠杆 v. 撬动 (to move with a lever)
- △ mechanical [mi'kænikl]
 - a. 机械的, 机械制造的 (of or relating to machinery or tools)
 - 机械似的, 呆板的, 作力的 [(of people) acting (as if) without thinking, in a machine-like way]
- △ metrical ['metri:kəl]
 - a. 测量的; 韵律的 (written in the form of poetry)
- △ resilience [ˌri:ziliəns]
 - n. 弹性, 弹力 (the capability of a strained body to recover its size and shape after deformation caused by compressive stress)
- △ tensile [ˈtɛnsəl]
 - a. 张力的, 可伸展的 (capable of being stretched)

- △ trajectory [ˌtrɔ:dʒektəri]
 - n. (抛射物) 弹道轨迹 (the curve that a body describes in space)
- △ rake [reik]
 - n. 斜度 (angle of a slope)
- △ rotundity [ˌrəʊtʌnditi]
 - n. 圆形, 圆形物 (roundness); 圆润 (sonorousness of speech)
- △ sonic [sɒnik]
 - a. 音波的, 音速的, 声音的
- △ reflective
- △ strength [streŋθ] (degree of potency of effect or of concentration)
- △ mechanics [mi'kæniks]
 - n. 力学 (the science of the action of forces on objects)
- △ elastic [ɪ'læstik]
 - a. 有弹性的; 能伸展的 easily resuming original shape after being stretched
- △ torque [ˈtɔ:k]
 - n. 转矩 a force that produces rotation or torsion
- △ additive [ˈædɪtɪv]
 - n. 添加剂 substance added in small amounts to sth. esp. to food or medicine
- △ alchemy [ˈælkɪmi]
 - n. 炼金术 medieval form of chemistry concerned with finding a way to turn ordinary metals into gold
- △ alkali
- △ alkaline (a. 碱性的)
- △ aluminium [ˌælju:'mɪnjəm]
 - n. 铝
- △ amalgam [ˈæməlgəm]
 - n. 混合物 a combination or mixture
- △ analyze [ˈænəlaɪz]
 - v. 分析, 分解 to study or determine the nature and relationship of the parts of sth.

- △ bromide ['brɔ:maɪd]
 - n. 平庸的人或话 a trite saying; platitude 溴化物 medicine as a sedative
- △ calcium [ˈkælsɪəm]
 - n. 钙
- △ carbohydrate [ˌkɑ:bə'haɪdreɪt]
 - n. 碳水化合物 a natural class of food that provides energy to the body
- △ catalyst ['kætəlist]
 - n. 催化剂; 促使事物发展的因素 (an agent that provokes or speeds significant change or action)
- △ caustic [ˈkɔ:stɪk]
 - a. 腐蚀性 corrosive; 刻薄的 (biting; sarcastic) n. 腐蚀剂
- △ cement [ˈsi:mənt]
 - n. 水泥, 胶粘剂 v. 粘合, 巩固 to unite or make firm by or as if by cement.
- △ clot [klot]
 - n. 凝块 a thickened lump formed within a liquid) v. 使凝结成块
- △ coagulant [kəu'egjələnt]
 - v. 使凝结 ⇒ n. coagulation.
- △ combustible [kəm'bʌstəbl]
 - a. 易燃的 flammable, 易激怒的 easily aroused
- △ compost ['kɒmpst]
 - n. 混合肥料 mixture of decayed organic matter
- △ compound ['kɒpaʊnd]
 - n. 化合物 (thing made up of separate things)
 - v. 掺和 to mix sth. together
- △ concentrate ['kɒnsəntreɪt]
 - v. 聚集, 浓缩 to bring into one main body
- △ concrete ['kɒkɹɪt]
 - a. 具体存在的 existing in material form
- △ condense [ˈkɒndens]
 - v. 浓缩 (to cause sth. to become thicker)

- △ congeal [kən'dʒiəl]
 - v. 冻结, 凝固 to solidify or thicken by cooling or freezing
- △ corrode [kə'ɒrəʊd]
 - v. 腐蚀, 侵蚀 to destroy chemical action
- △ corrosive [kə'ɒrəʊsɪv]
 - a. 腐蚀性, 腐蚀的, 破坏的 tending or having the power to corrode
- △ curdle ['kɜ:dl]
 - v. 使凝结, 变质 (to form into curd; coagulate; congeal)
- △ decomposition [ˌdi:kɒmpə'zɪʃən]
 - n. 分解, 腐烂; 崩溃
- △ defoliant n. 落叶剂
- △ dehydrate [di'haɪdreɪt]
 - v. 除去水分, 脱水 (to remove water from)
- △ deleterious [ˌdelɪ'ɪəriəs]
 - a. (对身心) 有害的, 有毒的. (harmful often in a subtle or unexpected way; injurious)
- △ detergent [ˌdi:tə'dʒɛnt]
 - a. 净化的, (cleansing), n. 清洁剂
- △ dilute [dai'lut]
 - v. 把 (液体) 弄稀, 弄淡 to thin down or weaken by mixing with water or other liquid
- △ disinfectant [ˌdɪsɪn'fekt(ə)nt]
 - n. 消毒剂 (an agent that frees from infection)
- △ dissolve [dɪ'zɒlv]
 - v. 使固体溶解 (to make a solid become liquid)
- △ distill [dɪ'stɪl]
 - v. 蒸馏 to turn a liquid into vapor by heating.
- △ emollient [ɪ'mɒliənt]
 - n. 润肤剂 a medicine applied to surface tissues of the body
- △ emulsify [ɪ'mʌlsɪfaɪ]
 - v. 使乳化 to form into an emulsion.

- △ evaporate [ɪ'vepəreɪt]
 - v. (使某物) 蒸发 to cause sth. to change into vapor and disappear
- △ explosive [ɪks'pləʊsɪv]
 - n. 炸药; a 爆炸性的; 使人冲动的 likely to erupt in or produce hostile reaction or violence
- △ ferment [ˈfɛɪmənt]
 - v. 使发酵 to cause fermentation in; 激动 to excite; agitate
 - n. 发酵; 激动
- △ fermentation [ˌfɛɪmənt'eɪʃən]
 - n. 发酵 a chemical change with effervescence; ferment.
- △ filter
- △ filter n. 滤纸 [a porous article (as of paper) through which a gas or liquid is passed to separate out matter in suspension]
- △ filter v. 过滤 to remove by means of a filter

- △ flammable ['flæməbl]
 - a. 易燃的 easily set on fire
- △ gasification [ˌgæsɪfɪ'keɪʃən]
 - n. 气化 conversion into gas.
- △ germicide [ˌdʒɜ:mɪsaɪd]
 - n. 杀菌剂 substance used for killing germs.
- △ herbicide [ˈhɜ:bɪsaɪd]
 - n. 除草剂
- △ hydrate ['haɪdreɪt]
 - n. 水合物 v. 水化 to cause to take up or combine with water
- △ ingredient n. 成分 [ɪn'grɪdiənt]
- △ inhibitor [ɪn'hibɪtə]
 - n. 抑制剂 a substance that retards the chemical reaction
- △ insecticide [ɪn'sektɪsaɪd]
 - n. 杀虫剂 a substance used for killing insects
- △ insoluble [ɪn'sɒljubl]
 - adj. 不溶解, 不能解决的

- △ iodine n. 碘 [ˈaɪədi:n]
 - a halogen element obtained usu. as heavy shining blackish-gray crystals
- △ isotope [ˈaɪsəʊtəʊp]
 - n. 同位素
- △ leaven ['li:vən]
 - n. 发酵剂; 影响力 v. 发酵, 影响
- △ liquefy v. (使) 液化, (使) 溶解 [ˈli:kwi'faɪ]
 - to make or become liquid; melt
- △ lubricant [ˈlu:bɹɪkənt]
 - n. 润滑油 a substance for reducing friction
- △ molecule [ˈmɒlɪkjʊl]
 - n. 分子
- △ molten [ˈmɒltən]
 - v. 熔化 (to melt) a. 熔化的 (melted)
- △ mote [məʊt]
 - a. 微粒, 微尘 a speck of dust
- △ neutron n. 中子
 - particle carrying no electric charge.
- △ nonradioactive [ˌnɒnrɪ'dɪɔ:ktɪv]
 - a. 非放射性
- △ noxious [ˈnɒksɪəs]
 - a. 有害的, 有毒的. injurious, pernicious
- △ ointment [ˈɔɪntmənt]
 - n. 药膏, 软膏 salve, unguent
- △ ossify [ˈɒsɪfaɪ]
 - v. 硬化, 骨化. 使...僵化.
 - to become hardened or conventional and opposed to change.
- △ oxidise [ˈɒksɪdaɪz]
 - v. 氧化, 生锈
 - to unite with oxygen in burning or rusting
- △ permeate [ˈpɜ:meɪt]
 - v. 扩散; 渗透
 - to spread or diffuse through. to pass through the pores or interstices
- △ pesticide n. 杀虫剂 [ˌpestɪsaɪd]
- △ pigment [ˈpɪgmənt]
 - n. 天然色素
- △ precipitant [ˌpri:sɪpɪtənt]
 - n. 沉淀剂
 - one that causes the formation of a precipitate
- △ preservative [ˌprezə'veɪtɪv]

- △ reactant [ˌri:ˈæktənt]
 - n. 反应物
- △ saccharin [ˌsækəˈrɪn]
 - n. 糖精
- △ soluble [ˈsɒljubl]
 - a. 可溶的, 可以解决的.
- △ solvent [ˈsɒləvnt]
 - a. 有清偿能力的.
 - capable of meeting financial obligations
 - n. 溶剂
- △ thaw [θɔ:]
 - v. 解冻; 融化 I'm just trying to thaw this steak.
- △ toxin [ˈtɒksɪn]
 - n. 毒素, 毒液
 - n. 毒素, 毒液 a poisonous substance
- △ vaporization [ˌveɪpəraɪ'zeɪʃən]
 - n. 蒸发 (conversion into vapor)
- △ vaporize [ˈveɪpəraɪz]
 - v. (使) 蒸发 (to convert into vapor).
- △ yeast n. 酵母 sth. that causes ferment; 兴奋 [ji:st]
 - sth. that causes ferment
- △ defoliant [di'fɒliənt]
 - n. 落叶剂, 落叶剂
- △ desalinate v. 除去盐分 to remove salt from seawater
- △ icing [ˈaɪsɪŋ]
 - n. 糖衣, 糖霜
 - a sweet flavored usu. creamy mixture used to coat baked goods.
- △ miscellany n. 混合物 [mɪ'selənɪ]
 - A collection of various items or parts
- △ saliferous [sə'lɪfərəs]
 - a. 含盐的, 多盐的
- △ nicotine [ˈnɪkəti:n]
 - n. 尼古丁