Life Science 生命科學

EVOLUTION 演化

chronobiology	n. 時間生物學
[ˌkrɑnobaɪˈɑlədʒi]	Chronobiology is the study of the effects of time and rhythmical phenomena
[[2 2.2.2. 2 2 2]	on life processes.
evolution	n. 演化
[ˌɛvə`luʃən]	Evolution is the scientific idea that plants and animals develop and change
[, - · - · · · · · · · · · · · · · · · ·	gradually over a long period of time.
	● mutation 突變
degeneration	n. 退化 (= devolution)
[dɪˌdʒɛnə`reʃən]	In biology, degeneration is a gradual change to a less highly developed type.
vestigial	adj. 退化的
[vɛs`tɪdʒɪəl]	Vestigial means something occurs or persists as a rudimentary or
	degenerate structure.
	● vestige 退化器官;遺跡
primitive	adj. 原始的 (= primitive men)
[`prɪmətɪv]	Primitive means belonging to a society in which people live in a very simple
	way, usually without industries or a writing system.
	● paleontology 古生物學
Darwinism	n. 達爾文主義(= Darwinian theory)
[`darwɪnˌɪzəm]	According to Darwinism, all species evolved from a few common ancestors by
, ,	means of natural selection.
	● natural selection 自然選擇
	● Nature selects, the fittest survives. 物競天擇,適者生存
extinction	n. 滅絕
[ɪk`stɪŋkʃən]	The extinction of a species of animal or plant is the death of all its remaining
	living members.
extant	adj. 現存的
[ɪk`stænt]	If something is extant, it is still in existence.
species	n. 物種
[`spiʃiz]	A set of animals or plants in which the members have similar characteristics to
	each other and can breed with each other called species.
	● creature 生物
	● kingdom 界
	● phylum;division 門
	● class 綱
	● order 目
	● family 科
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	● genus 屬
	● species 種
	● binomial system of nomenclature 二名法
	● speciation 物種形成
diversity	n. 品種多樣 (=variety;multifariousness)
[daɪ`v₃·sətɪ]	A diversity of things is a range of things which are very different from each
	other.
breed	n. 品種;v. 繁殖
[brid]	A breed of a pet animal or farm animal is a particular type of it.
	● breeding-ground 繁殖地
	● breeder 飼育員
	● breeding season 繁殖季節
multiply	v. 繁殖 (= reproduce;procreate;fertilization)
[`mʌltəplaɪ]	To multiply is to breed or propagate. As everybody knows, rabbits multiply
	rapidly.
inbreed	v. 近親繁殖
[`ɪn`brid]	To breed by the continued mating of closely related family.
mating	n. 交配
[`metɪŋ]	Mating is an act of sexual behavior between a pair of animals.
	● monogamy 一夫一妻制
	● polyandry 一妻多夫制;一雌多雄
	● polygamy 一夫多妻制;一雄多雌
hatch	v. 孵
[hætʃ]	Some animals hatch to produce young from an egg by applying natural or
	artificial heat
	● incubation 孵化
	● hatchery 孵卵所
spawn	v. 產卵
[ncqa]	When fish or animals such as frogs spawn, they lay their eggs in great
	numbers.
	● oviparity 卵生
	● viviparity 胎生
	● ovoviviparity 卵胎生
offspring	n. 後代 (= young)
[`ɔfˌsprɪŋ]	The progeny or descendants of a person, animal, or plant are called offspring
eukaryote	n. 真核生物
[juˈkæriat]	Eukaryote is a cell or an organism that possesses a clearly defined nucleus.
prokaryote	n. 原核生物
[ˌpro`kærɪat]	A prokaryote is a single-celled organism that lacks a membrane-bound nucleus.
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fungal	adj. 真菌的 (= fungous)
[`fʌŋg!]	Fungal means caused by, involving with, or relating to fungus.
	● fungal infection 真菌感染
	● fungoid 真菌狀的
invertebrate	adj. 無脊椎的
[ɪn`vɜ·təbrɪt]	An invertebrate is an animal that lacks a backbone or vertebral column.
	● vertebrate 脊椎動物
	● Mollusca 軟體動物門
	● Arthropoda 節肢動物門
	● Cnidaria 刺胞動物門 (= coelenterate)
	● Annelida 環節動物門
	● Echinodermata 棘皮動物門
	● Chordata 脊索動物門
	● Porifera 多孔動物門
aquatic	n . 水生的
[ə`kwætɪk]	Aquatic life refers to animals that are adapted to live in water.
	● crustacean 甲殼類動物
	● lobster 龍蝦
	● prawn 明蝦
	● shrimp 小蝦
	● crayfish 螯蝦
	● coral 珊瑚;珊瑚礁
	● starfish 海星
	● jellyfish 水母
	● sponge 海綿
	● octopus 章魚
	● urchin 海膽
	● terrestrial 陸生的
	● bivalve 雙殼類
	● clam 蛤蜊
	● oyster 牡蠣
gill	n. 鰓
[gɪl]	Gill is the respiratory organ of most aquatic animals that breathe water to
	obtain oxygen.
scale	n. 鱗片
[skel]	The scales of a fish or reptile are the small, flat pieces of hard skin that cover
	its body.
fin	n. 鰭
[fɪn]	A fish's fins are the flat parts which help it to move and keep its balance in
-	the water.
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	● pectoral fin 胸鰭
	● dorsal fin 背鰭
	● caudal fin 尾鰭
flipper	n. 肢;鰭
[`flɪpə-]	A flipper of penguins, turtles or seals is a broad flat limb used for swimming.
alga	n. 藻類 (pl. algae)
[`ældʒi]	The earliest life is thought to begin with algae which are simple organisms that
	live in oceans, lakes, rivers, and moist soil.
	● blue-green alga 藍綠藻
	● agar 寒天;菜燕;石花菜
	● plankton 浮游生物
	● phytoplankton 浮游植物
	● zooplankton 浮游動物
amphibian	n. 兩棲動物 (= amphibious animal)
[æm`fɪbɪən]	An amphibian is an animal with scaleless skin that, with a few exceptions, lives
	part of its life in water and part on land.
	● newts 蠑螈 (=Salamanders)
	● toads 蟾蜍
	● tadpole 蝌蚪
	● treefrog 樹蛙
reptile	n. 爬行動物
[`rɛptl]	A reptile is an animal that has dry, scaly skin and breathes by means of lungs.
	● snake 蛇
	● viper 蝰蛇
	● adder 小毒蛇
	● rattlesnake 響尾蛇
	● cobra 眼鏡蛇
	● constrictor 蟒蛇 (= boa = python)
	● colubrid (無毒)蛇
	● crocodile 鱷魚
	● alligator 美洲鱷
	● turtle 龜
	● leatherback 棱皮龜
	● loggerhead 紅海龜
	● lizard 蜥蜴
	● chameleon 變色龍
exoskeleton	n. 外骨骼
[ˌɛkso`skɛlətn]	Exoskeleton is a hard outer structure of an insect or crustacean, such as shells.
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venom	n. 毒液
[`vɛnəm]	About 270 species of snakes have venom that is harmful or fatal to human
	beings.
fang	n. 毒牙
[fæŋ]	Poisonous snakes inject venom through their fangs when they bite.
regeneration	n. 再生
[rɪˌdʒɛnə`reʃən]	Regernation means to grow again. One example of regeneration is the lizard,
	which can grow a new tail in due time.
molt	v. 蜕皮;脫殼;換毛
[molt]	The skin-shedding process is called molting.
hibernate	v. 冬眠
[`haɪbəˌnet]	In winter, some animals such as snakes survive by hibernating.
	● poikilotherm 變溫動物
	● homotherm 恒溫動物
dinosaur	n. 恐龍
[rcs.enisb]	Dinosaur is the name of a group of prehistoric reptiles that ruled the earth for
- , -	about 160 million years.
	● Jurassic Park 侏儸紀公園
	● triceratop 三角龍
	● Tyrannosaur 暴龍
	● Brontosaur 雷龍
	● Pterodactyl 翼手龍
	● Velociraptor 迅猛龍
insect	n. 昆蟲
[`ɪnsɛkt]	Insects, which are small, six-legged animals, live almost everywhere on earth,
-	from steamy tropical jungles to cold polar regions.
	● compound eye 複眼
	● trilobite 三葉蟲
	● foraminifer 有孔蟲
	● insectivore 食蟲動物
	● anteater 食蟻獸
	● metamorphosis 變態
	● moth 蛾
	● mite 螨類
antenna	n. 觸鬚;觸角 (pl. antennae)
[æn`tɛnə]	An insect's head consists of the mouth parts, eyes, and antennae.
	● tentacle 觸角
thorax	n. 胸部
[`θoræks]	All insects have a body divided into three main parts—head, thorax, and
	abdomen.

beneficial	adj. 有益的
[ˈbɛnə`fɪʃəl]	Beneficial insects such as bees, butterflies pollinate plants
pest	n. 害蟲
[pɛst]	Many insects are household pests, such as houseflies, ants, and cockroaches
[pcst]	that eat or spoil the food stored in homes and warehouses.
parasite	n. 寄生蟲
[`pærəˌsaɪt]	Some worms live as parasites in various animals and plants, causing a number
[paro,sari	of diseases.
	● microbe 微生物
	● tapeworm 絛蟲
	● flatworm 扁蟲
	● roundworm 蛔蟲
larva	n. 幼蟲;幼體
[`larvə]	The newly hatched, wingless, often wormlike form of many insects before
[laivo]	metamorphosis.
	● caterpillar 毛毛蟲
	● pupa 蛹
	● cocoon 繭
	● seedling 幼苗
	● fry 魚苗
	● cub 幼獸(大部分四足肉食性動物)
	● calf 小牛、駱駝(大部分四足草食性動物)
	● piglet 小豬
	● lamb 小羊
	● chick 小鳥
	● infant 嬰兒
	● hatchling (從蛋孵出)幼體
youngster	n. 幼獸;幼兒
[`jʌŋstə]	Youngster is a young animal or child.
mammal	n. 哺乳動物
[`mæmi]	Mammal is a vertebrate that feeds its young with the mother's milk.
[● snowshoe hare 北美野兔
	● cheetah 非洲獵豹
	● cougar 美洲豹
	● lynx 山貓;猞猁
	● raccoon 浣熊
	● ibex 野生山羊
	● pronghorn antelope 叉角羚羊
	● hog [hag] n. 豬
	● elk [ɛlk] n. 麋鹿
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	● mule deer [mjul dɪr] n. 長耳鹿
	● reindeer [`ren,dir] n. 馴鹿
	● carbou [rkærəˌbu] n. 北美馴鹿
	● gazelle [gə`zɛl] n. 瞪羚
	● buck [bʌk] n. 雄鹿
	● moose [mus] n. 駝鹿;北美糜
	● bovine [`bovaɪn] n. 牛科動物
	● rhinoceros 犀牛
	● gibbon [`gɪbən] n. 長臂猿
	● sloth 樹懶
	● pinniped 鰭腳亞目哺乳動物(海豹等)
	● otter 水獺
	● hippopotamus 河馬
	● walrus 海象
	● seal 海豹
cetacean	n. 鯨豚目動物
[sɪ`teʃən]	Cetacean is any of an order of aquatic mostly marine mammals that includes
	the whales, dolphins, porpoises, that have a torpedo-shaped nearly hairless
	body, paddle-shaped forelimbs but no hind limbs, one or two nares opening
	externally at the top of the head, and a horizontally flattened tail used for
	locomotion.
	● whale 鯨
	● porpoise 鼠海豚
	● dolphin 海豚
	● blubber n. 鯨脂;鯨油
	● blowhole n. (鯨、海豚等的)噴水孔
	● melon n. (鯨目動物頭部的)圓形隆起
monotreme	n. 卵生哺乳類動物
[`manə¸trim]	Monotremes are mammals that lay eggs instead of giving birth to live young
	like marsupials and placental mammals.
	● platypus 鴨嘴獸
	● echidna 針鼬
placental	adj. 胎盤的(動物)
[plə`sɛntəl]	Placental mammals all bear live young, which are nourished before birth in
	the mother's uterus through a specialized embryonic organ attached to the
	uterus wall, the placenta.
	● placenta 胎盤
rodent	n. 齧齒類動物
[`rodnt]	Rodents are the largest group of mammals, characterized by upper and
	lower pairs of ever-growing rootless incisor teeth.



	● beaver 水獺
	● hare 野兔
	● squirrel 松鼠
	● mouse 老鼠
	● marmot 土撥鼠
marsupial	adj. 有育兒袋的(動物)
[mar`sjupɪəl]	Marsupials are mammals that most of the young are carried in a pouch.
	● kangaroo 袋鼠
	● wombat 袋熊
	● koala 無尾熊
pouch	n. 育兒袋;袋囊
[paʊtʃ]	A pouch is a bag-like pocket of skin in a female marsupial such as kangaroo
	or koala.
canid	n. 犬科動物(= Canidae)
[`kænəd]	Canid is a lineage of carnivorans that includes domestic dogs, wolves, foxes
	and many other extant and extinct dog-like mammals.
	● coyote 小狼,山狗
	● jackals 豺狼
primate	n. 靈長類動物
[`praɪmɪt]	Primates are the group of mammals made up of human beings and the animals
	that resemble them most closely.
	● apes 人猿
	● gorilla 大猩猩
	● chimpanzee 黑猩猩(非洲)
	● orangutan 紅猩猩
	● baboon 狒狒
anthropoid	n. 類人猿 (= anthropoid ape)
[`ænθrəˌpɔɪd]	The anthropoid structure of certain apes includes lack of a tail and cheek
	pouches.
beast	野獸
[bist]	Beast is an animal, especially a large four-footed mammal.
	● hide 獸皮
	● horn 獸角
	● tusk 長牙
	● antler 鹿角
	● velvet 鹿茸;鹿角嫩皮;天鵝絨
	● pelage 毛皮
	● horseshoe 馬蹄鐵
rut	n. (雄性)發情期
[rʌt]	Rut is the periodic sexual excitement of a male deer or goat.
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estrus	n. (雌性)發情期(= oestrus =heat-period)
[`istrəs]	Estrus is the periodic state of sexual excitement in the female of most
	mammals, excluding humans.
	● estrus cycle 發情週期
domesticate	v. 馴化 (= tame)
[də`mɛstə¸ket]	People domesticate animals or plants so that they are under human control
	and provide food, power or companionship.
carnivore	n. 肉食性動物;食蟲植物(= predator)
[`karnə¸vɔr]	Carnivore, also called predator, animal whose diet consists of other animals.
	● herbivore 草食性動物
	● omnivore 雜食性動物
browse	v. 吃葉; 吃草
[braʊz]	When animals browse, they feed on grass or leaves.
prey	v. 捕食;n. 被捕食的動物
[pre]	An animal taken by a predator as food is called prey.
	● trapper 誘捕動物者
	● forage 覓食
scavenger	n. 食腐動物 (= carrion-feeder)
[`skævɪndʒə-]	Vulture, jackals, and some beetles are scavengers, feeding on decaying
	matter.
aves	n. 鳥類動物
[`ave]	Aves is the scientific name for birds.
	● phoenix 鳳凰
	● waterfowl 水鳥;水禽
	● robin 旅鶇;知更鳥
	● starling 星椋鳥
	● songbird 燕雀
	● swallow 燕子
	● warbler 鶯
	● riflebird 蜂鳥
	● mandarin duck 鴛鴦
	● canary 金絲雀
	● hornbill 犀鳥
	● warbler 轉鳥;鳴鳥;用顫音歌唱的人
	● blackcap 黑色莓;黑頭鶯類(歐洲)
	● wood thrush 畫眉鳥
	● emu 鸸鹋
	● ostrich 鴕鳥
	● kiwi 鷸鴕;奇異鳥
	● crow 烏鴉;雞啼聲
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	● jay 松雞;鳥
	● raven 渡鴉
	● hawk 鷹
	● plover 珩;千鳥;珩科鳥(如鳳頭麥雞)
	● magpie 鵲;饒舌的人
beak	n. (鷹等的) 喙 (= bill)
[bik]	A bird's beak is the hard curved or pointed part of its mouth.
[~]	● hooked nose 鷹鉤鼻
	● upper/lower mandible of beak 上/下喙
	● crest (鳥類頭部後方) 冠
	● crown (鳥類頭部前方) 冠
	● lore 眼先(眼部前方的羽毛)
	● wing coverts 覆羽
	● quill 羽毛管
plumage	n. 羽毛
[`plumɪdʒ]	Plumage is the feathers on a bird.
migrate	v. 遷移
[`maɪˌgret]	When it gets cold, many birds migrate to places where the weather is milder
[,g 1]	and more food is available.
gregarious	adj. 群居性的 (= social)
[grɪ`gɛrɪəs]	Gregarious animals or birds normally live in large groups.
13 3 11	● hordes (昆蟲、人等) 群
	● swarms (昆蟲等) 群
	● flock (鳥、羊等) 群
	● herd 獸群
habitat	n. 棲息地
[`hæbəˌtæt]	The place where an animal lives is called its habitat.
perch	v. (鳥) 飛落;棲息
[pɜtʃ]	Perch is a resting place or vantage point. A robin flew up and perched on the
22	highest branch.
echolocation	n. 聲波定位
[ˌɛkolo`keʃən]	Echolocation is a physiological process for locating distant or invisible objects
	by sound waves reflected back to the emitter from the objects.
camouflage	n. 偽裝
[`kæməˌflaʒ]	The various ways animals, insects in particular, blend with their surroundings
	are called camouflage.
nocturnal	adj. 夜間的;夜行性的
[nak`t3·n!]	Nocturnal creatures are active mainly at night.
	● diurnal 日間的;白晝的

