

AP Environmental Science

Glossary · every term in the course, A–Z

English		Pinyin
10% rule	10%	10% dīng lǚ
A coral reef		shān hú jiāo
 A glacier		bīng chuān
<i>/ə ˈgleɪʃə/</i>		
A nuclear power station		hé diàn zhàn
A tropical rainforest		rè dài yǔ lín
 abiotic		fēi shēng wù de
<i>/ˌæbiˈɒtɪk/</i>		
 acid mine drainage		suān xìng kuàng shān fèi shuǐ
<i>/ˈæsɪd maɪn ˈdreɪnɪdʒ/</i>		
 acid rain		suān yǔ
<i>/ˈæsɪd reɪn/</i>		
 acute		jí xìng
<i>/əˈkjuːt/</i>		
 adaptation		shì yìng
<i>/ˌædæpˈteɪʃn/</i>		
advantage		yōu diǎn
 age structure diagram		nián líng jié gòu tú
<i>/eɪdʒ ˈstrʌktʃə ˈdaɪəgræm/</i>		
 age-structure diagram		nián líng jié gòu tú
<i>/eɪdʒ ˈstrʌktʃə ˈdaɪəgræm/</i>		
 air pollution		kōng qì wū rǎn
<i>/eə pəˈluːʃn/</i>		
 algal bloom		zǎo huá
<i>/ˈælgəl bluːm/</i>		
altitude		hǎi bá
ammonia		ān
<i>/æˈmɒniə/</i>		
ammonification		ān huà zuò yòng
An open-pit mine		lù tiān kuàng

English	Pinyin
angle	jiǎo dù
 anthracite	wú yān méi
<i>/ˈænrəˈsɑɪt/</i>	
 anthropogenic	rén wéi de
<i>/ˌænθrəˈpəˈdʒenɪk/</i>	
apex predator	dǐng jí bǔ shí zhě
aphotic zone	wú guāng céng
 aquaculture	shuǐ chǎn yǎng zhí
<i>/ˈækwəkʌltʃə/</i>	
 aquatic	shuǐ shēng de
<i>/əˈkwætɪk/</i>	
aquifer	hán shuǐ céng
aquifer depletion	hán shuǐ céng kū jié
 asbestos	shí mián
<i>/æsˈbestəs/</i>	
assimilation	tóng huà zuò yòng
<i>/əˌsɪmɪˈleɪʃn/</i>	
 atmosphere	dà qì céng
<i>/ˈætməsfɪə/</i>	
autotrophs	zì yǎng shēng wù
axis	dì zhóu
<i>/ˈæksɪs/</i>	
behavioral	xíng wéi de
<i>/bɪˈheɪvjərəl/</i>	
benefits	yì chù
<i>/ˈbenɪfɪts/</i>	
 bioaccumulation	shēng wù lěi jī
<i>/ˌbaɪəʊəˌkjuːmjəˈleɪʃn/</i>	
 biocapacity	shēng wù chéng zài lì
<i>/ˌbaɪəʊkəˈpæsɪti/</i>	
 biodiversity	shēng wù duō yàng xìng
<i>/ˌbaɪəʊdaɪˈvɜːsɪti/</i>	
biofuels	shēng wù rán liào
biogeochemical cycle	shēng wù dì qiú huà xué xún huán

English	Pinyin
 biological	shēng wù de
 biomagnification	shēng wù fàng dà
 biomass	shēng wù liàng
biomass fuel	shēng wù zhì
 biome	shēng wù qún xì
 biotic	shēng wù de
 birth rate	chū shēng lǜ
 bitumen	lì qīng
 bituminous	yān méi
boreal forest	běi fāng zhēn yè lín
bottom trawling	dǐ tuō wǎng
brackish	bàn xián shuǐ
 bycatch	jiān bǔ
byproducts	fù chǎn wù
calcifying organisms	gài huà shēng wù
 calcium carbonate	tàn suān gài
captive breeding	quān yǎng fán zhí
carbon	tàn
 carbon cycle	tàn xún huán
 carbon dioxide	èr yǎng huà tàn
 carbon monoxide	yī yǎng huà tàn

English	Pinyin
 carbonic acid	tàn suān
carnivores	shí ròu dòng wù
 carrying capacity	huán jìng róng nà liàng
catalyst	cūi huà jì
 catalytic converters	cūi huà zhuǎn huà qì
catch limits	bǔ lǎo xiàn é
cellular respiration	xì bāo hū xī
certain pesticides	mǒu xiē nóng yào
 CFCs	lǜ fú tīng
challenges	tiǎo zhàn
chemical	huà xué de
chemical energy	huà xué néng
chemosynthesis	huà néng hé chéng zuò yòng
chlorofluorocarbons	lǜ fú tīng
 Cholera	huò luàn
 chronic	màn xìng
 clay	nián lì
cleaner energy	qīng jié néng yuán
 clearcutting	jiē fá
 climate	qì hòu
 climate change	qì hòu biàn huà

English	Pinyin
 climax community	dǐng jí qún luò
/ˈklaɪmæks kəˈmjuːnɪti/	
 coal	méi tàn
/kəʊl/	
 cogeneration	rè diàn lián chǎn
/ˌkəʊdʒənəˈreɪʃn/	
collapse	bēng kuì
colonization	dìng jū
 combustion	rán shāo
/kəmˈbʌstʃn/	
commensalism	piān lì gòng shēng
common resources	gōng gòng zī yuán
/ˈkɒmən rɪˈzɔːsɪz/	
community	qún luò
/kəˈmjuːnɪti/	
 competition	jìng zhēng
/ˌkɒmpəˈtɪʃn/	
competitive exclusion principle	jìng zhēng pái chì yuán lǐ
composition	zǔ chéng
/ˌkɒmpəˈzɪʃn/	
 composting	duī féi
/ˈkɒmpɒstɪŋ/	
concentrated animal feeding operations	jí zhōng dòng wù sì yǎng chǎng
condensation	níng jié
/kɒndenˈseɪʃn/	
coniferous	zhēn yè de
consumers	xiǎo fèi zhě
/kənˈsuːməz/	
 contour plowing	děng gāo gēng zuò
/ˈkɒntʊə ˈpləʊɪŋ/	
control	kòng zhì
/kənˈtrəʊl/	
 convection cells	duì liú huán liú
/kənˈvekʃn selz/	

English	Pinyin
 convergent	huì jù xíng
/kənˈvɜːdʒənt/	
 coral bleaching	shān hú bái huà
/ˈkɒrəl ˈbliːtʃɪŋ/	
 coral reef	shān hú jiāo
/ˈkɒrəl riːf/	
 Coriolis effect	kē lǐ ào lì xiào yìng
/ˌkɒrɪˈəʊlɪz ɪˈfekt/	
cover crops	fù gài zuò wù
crop protection	zuò wù bǎo hù
 crop rotation	lún zuò
/krɒp rəʊˈteɪʃn/	
crude birth rate	cū chū shēng lǜ
/kruːd bɜːθ reɪt/	
cultural eutrophication	wén huà fù yíng yǎng huà
cultural services	wén huà fú wù
 dam	dà bà
/dæm/	
dam reservoir	shuǐ kù
 decomposers	fēn jiě zhě
/ˌdiːkəmˈpəʊzəz/	
decomposition	fēn jiě
/ˌdiːkɒmpəˈzɪʃn/	
degradation	tuì huà
 demographic transition	rén kǒu zhuǎn biàn
/ˌdeməˈɡræfɪk trænˈsɪʃn/	
 denitrification	fǎn xiāo huà zuò yòng
/diːˌnaɪtrɪfɪˈkeɪʃn/	
density-dependent	mì dù zhì yuē
/ˈdensɪti dɪˈpendənt/	
density-independent	fēi mì dù zhì yuē
/ˈdensɪti ˌɪndɪˈpendənt/	
depletion	kū jié
/dɪˈpliːʃn/	
 desert	shā mò
/ˈdezət/	

English	Pinyin
 desertification <i>/dɪˌzɜːtɪfɪˈkeɪʃn/</i>	huāng mò huà
 detritivores	shí fǔ dòng wù
 developed <i>/dɪˈveləpt/</i>	fā dá de
 developing <i>/dɪˈveləpɪŋ/</i>	fā zhǎn zhōng de
 development <i>/dɪˈveləpmənt/</i>	kāi fā
 die-off	dà liàng sǐ wáng
 disease <i>/dɪˈziːz/</i>	jí bìng
 disinfected	xiāo dú
 dispersing	kuò sàn
 dissolved oxygen	róng jiě yǎng
 disturbance	gān rǎo
 divergent <i>/daɪˈvɜːdʒənt/</i>	lí sàn xíng
 DNA <i>/ˌdiː en ˈeɪ/</i>	tuō yǎng hé táng hé suān
 dose <i>/dəʊs/</i>	jì liàng
 dose-response curve <i>/dəʊs rɪˈspons kɜːv/</i>	jì liàng fǎn yìng qū xiàn
 dose–response curve <i>/dəʊs rɪˈspons kɜːv/</i>	jì liàng fǎn yìng qū xiàn
 doubling time <i>/'dʌblɪŋ taɪm/</i>	bèi zēng shí jiān
 drawbacks	quē diǎn
 drip irrigation <i>/drɪp ˌɪrɪˈgeɪʃn/</i>	dī guǎn
 drought	gān hàn
 Dysentery <i>/'dɪsəntəri/</i>	lì jí

English	Pinyin
 e-waste <i>/iː weɪst/</i>	diàn zǐ lā jī
 earthquakes	dì zhèn
 ecological efficiency	shēng tài xiào lǚ
 ecological footprint <i>/ˌekəˈlɒdʒɪkl ˈfʊtprɪnt/</i>	shēng tài zú jì
 ecological succession <i>/ˌekəˈlɒdʒɪkl səkˈseʃn/</i>	shēng tài yǎn tì
 ecological tolerance <i>/ˌekəˈlɒdʒɪkl ˈtɒlərəns/</i>	shēng tài nài shòu xìng
 ecological value	shēng tài jià zhí
 ecology	shēng tài xué
 economic	jīng jì de
 economic benefits	jīng jì xiào yì
 economic development <i>/ˌiːkəˈnɒmɪk dɪˈveləpmənt/</i>	jīng jì fā zhǎn
 economic value	jīng jì jià zhí
 ecosystem <i>/'iːkəʊsɪstəm/</i>	shēng tài xì tǒng
 ecosystem services <i>/'iːkəʊsɪstəm ˈsɜːvɪsɪz/</i>	shēng tài xì tǒng fú wù
 ecotone	qún luò jiāo cuò qū
 education	jiào yù
 efficiency <i>/tɪfɪʃənsi/</i>	xiào lǚ
 effluent	chū shuǐ
 El Nino	è ěr ní nuò
 El Niño <i>/el ˈniːnjəʊ/</i>	è ěr ní nuò
 electrostatic precipitators <i>/ɪˌlektɹəʊˈstætɪk prɪˈsɪpɪteɪtəz/</i>	jìng diàn chú chén qì

English	Pinyin
emigration	yí chū
<i>/,emiˈgreɪʃn/</i>	
emissions	pái fàng
<i>/iˈmɪʃnz/</i>	
endangered	bīn wēi
<i>/enˈdeɪndʒəd/</i>	
 endangered species	bīn wēi wù zhǒng
<i>/enˈdeɪndʒəd ˈspiːsiːz/</i>	
 endemic	tè yǒu
<i>/enˈdemɪk/</i>	
endemic species	tè yǒu zhǒng
 endocrine disruptors	nèi fēn mì gān rǎo wù
<i>/ˈendəʊkraɪn dɪsˈrʌptəz/</i>	
energy choices	néng yuán xuǎn zé
 energy conservation	néng yuán jié yuē
<i>/ˈenədʒi ˌkɒnsəˈveɪʃn/</i>	
energy consumption	néng yuán xiāo hào
energy content	néng liàng hán liàng
energy efficiency	néng yuán xiào lǜ
 energy pyramid	néng liàng jīn zì tǎ
<i>/ˈenədʒi ˈpɪrəɪmɪd/</i>	
energy resources	néng yuán zī yuán
 energy return on energy investment (EROEI)	néng liàng tóu zī huí bào lǜ
<i>/ˈenədʒi rɪˈtʃːn ɒn ˈenədʒi ɪnˈvestmənt/</i>	
energy trade	néng yuán mào yì
enhance	zēng qiáng
environment	huán jìng
<i>/enˈvaɪrənmənt/</i>	
environmental	huán jìng de
<i>/enˌvaɪrənˈmentl/</i>	
environmental change	huán jìng biàn huà

English	Pinyin
environmental costs	huán jìng dài jià
environmental impacts	huán jìng yǐng xiǎng
environmental indicators	huán jìng zhǐ biāo
environmental problems	huán jìng wèn tí
 environmental stressors	huán jìng yā lì
<i>/enˌvaɪrənˈmentl ˈstresəz/</i>	
 episodic	ǒu fā xìng
<i>/ˌepɪˈsɒdɪk/</i>	
equator	chì dào
<i>/iˈkweɪtə/</i>	
 erosion	qīn shí
<i>/iˈrəʊʒn/</i>	
escaped	táo yì de
 estuaries	hé kǒu
<i>/ˈestjuːəɪz/</i>	
 ethanol	yǐ chún
<i>/ˈeθənɒl/</i>	
 eutrophication	fù yíng yǎng huà
<i>/juːˈtrɒfiˈkeɪʃn/</i>	
 evaporation	zhēng fā
<i>/ɪˌvæpəˈreɪʃn/</i>	
evapotranspiration	zhēng sǎn
exponential growth	zhǐ shù zēng zhǎng
<i>/ˌekspəˈnenʃl grəʊθ/</i>	
 exponentially	zhǐ shù zēng zhǎng
<i>/ˌekspəˈnenʃəli/</i>	
 extinction	miè jué
<i>/ekˈstɪŋkʃn/</i>	
extraction	kāi cǎi
<i>/ekˈstrækʃn/</i>	
family planning	jì huà shēng yù
<i>/ˈfæmɪli ˈplænɪŋ/</i>	
feedback loops	fǎn kuì huí lù

English	Pinyin
 feeding the power station	fā diàn zhàn
 fertility	féi lì
 fertilizer	huà féi
 fishery	yú yè
 fission	liè biàn
 flood irrigation	màn guàn
 flooding	hóng shuǐ
 flux	tōng liàng
 food chain	shí wù liàn
 food web	shí wù wǎng
 forests	sēn lín
 fossil fuel	huà shí rán liào
 fragmentation	pò suì huà
 free-range grazing	fàng yǎng
 freshwater	dàn shuǐ
 fuel economy	rán yóu jīng jì xìng
 fuel types	rán liào lèi xíng
 furrow irrigation	gōu guàn
 garbage patches	lā jī dài
generalist	guǎng shì xìng
genetic diversity	yí chuán duō yàng xìng

English	Pinyin
 genetic variation	yí chuán biàn yì
 geography	dì lǐ
 geology	dì zhì
 Geothermal	dì rè néng
 geothermal energy	dì rè néng
 glacier	bīng chuān
 Global climate change	qì hòu biàn huà
 global warming potential (GWP)	quán qiú biàn nuǎn qián néng zhí
 global wind patterns	quán qiú fēng dài
 Green Revolution	lǚ sè gé mìng
 green roofs	lǚ sè wū dǐng
 greenhouse effect	wēn shì xiào yìng
 greenhouse gas	wēn shì qì tǐ
 gross primary productivity	zǒng chū jí shēng chǎn lì
 groundwater	dì xià shuǐ
 groundwater recharge	dì xià shuǐ bǔ jǐ
 growing season	shēng zhǎng jì
 growth rate	zēng zhǎng lǜ
 habitable	yí jū de
habitat	qī xī dì
habitat destruction	qī xī dì pò huài

English	Pinyin
habitat diversity	qī xī dì duō yàng xìng
 habitat fragmentation	qī xī dì pò suì huà
 habitat loss	qī xī dì sàng shī
 health	jiàn kāng
health effects	jiàn kāng yǐng xiǎng
 hearing loss	tīng lì sǔn shī
herbivores	shí cǎo dòng wù
heterotrophs	yì yǎng shēng wù
 high-yield	gāo chǎn
 horizons	tǔ céng
 hormone	jī sù
hot spot	rè diǎn
household	jiā tíng
human activities	rén lèi huó dòng
human population	rén kǒu
human-driven pres-	rén wéi yā lì
sures	
 hydraulic fracturing	shuǐ lì yā liè
 Hydroelectric	shuǐ diàn
hydroelectric power	shuǐ lì fā diàn
 hydrogen fuel cell	qīng rán liào diàn chí
 hydrologic cycle	shuǐ xún huán

English	Pinyin
 hypoxic	quē yǎng
 immigration	yí rù
 impervious surfaces	bù tòu shuǐ miàn
 incineration	fén shāo
 incinerators	fén shāo lú
 indicator species	zhǐ shì wù zhǒng
individual self-interest	gè rén sī lì
indoor air pollutants	shì nèi kōng qì wū rǎn wù
industrialization	gōng yè huà
infectious disease	chuán rǎn bìng
infiltration	xià shèn
infrared radiation	hóng wài fú shè
 integrated pest management	bìng chóng hài zōng hé zhì lǐ
intercropping	jiàn zuò
intermittency	jiàn xiē xìng
international coopera-	guó jì hé zuò
tion	
 invasive species	rù qīn wù zhǒng
 irrigation	guàn gài
irrigation methods	guàn gài fāng fǎ
 island biogeography	dǎo yǔ shēng wù dì lǐ xué
 keystone species	guān jiàn zhǒng

English	Pinyin
 kinetic energy	dòng néng
<i>/kɪˈnetɪk ˈenədʒi/</i>	
 La Nina	lā ní nà
 La Niña	lā ní nà
<i>/ləˈniːnjə/</i>	
 lakes and ponds	hú pō
 land use	tǔ dì lì yòng
 landfills	lā jī tián mái chǎng
 latitude	wěi dù
<i>/ˈlætɪtjuːd/</i>	
 LD50	bàn shù zhì sǐ jì liàng
<i>/,el diː ˈfɪfti/</i>	
 leachate	shèn lǚ yè
<i>/ˈliːtʃeɪt/</i>	
 leeward	bèi fēng
 legislation	lì fǎ
<i>/ˌledʒɪˈsleɪʃn/</i>	
 legumes	dòu kē zhí wù
 lichens	dì yī
<i>/ˈlaɪkənz/</i>	
 life history	shēng huó shǐ
 lifestyle	shēng huó fāng shì
 lignite	hè méi
<i>/ˈlɪɡnaɪt/</i>	
 limitations	jú xiàn xìng
<i>/ˌlɪmɪˈteɪʃnz/</i>	
 limiting factors	xiàn zhì yīn sù
<i>/ˈlɪmɪtɪŋ ˈfæktəz/</i>	
 limiting nutrient	xiàn zhì xìng yǎng fèn
<i>/ˈlɪmɪtɪŋ ˈnjuːtriənt/</i>	
 livelihoods	shēng jì
 logistic	luó jí sī dì zēng zhǎng
<i>/ləˈdʒɪstɪk/</i>	

English	Pinyin
 logistic growth	luó jí sī dì zēng zhǎng
<i>/ləˈdʒɪstɪk grəʊθ/</i>	
 mainland	dà lù
 Malaria	nüè jí
<i>/məˈleəriə/</i>	
 mangroves	hóng shù lín
<i>/ˈmæŋɡrəʊvz/</i>	
 mantle	dì màn
 marine	hǎi yáng de
<i>/məˈriːn/</i>	
 marine food webs	hǎi yáng shí wù wǎng
 marine productivity	hǎi yáng shēng chǎn lì
 mechanical	jī xiè de
<i>/mɪˈkænikl/</i>	
 mechanization	jī xiè huà
<i>/ˌmekənaɪˈzeɪʃn/</i>	
 mercury	gǒng
 methane	jiǎ wán
<i>/ˈmiːθeɪn/</i>	
 migration	qiān xǐ
<i>/maɪˈɡreɪʃn/</i>	
 Mining	cǎi kuàng
<i>/ˈmaɪnɪŋ/</i>	
 monitoring	jiān cè
<i>/ˈmɒnɪtərɪŋ/</i>	
 monoculture	dān yī zāi péi
<i>/ˈmɒnəʊkəltʃə/</i>	
 Montreal Protocol	méng tè lì ěr yì dìng shū
<i>/ˌmɒntriˈɔːl ˈprəʊtəkol/</i>	
 mortality	sǐ wáng lǚ
 mosquito	wén zi
<i>/məˈskiːtəʊ/</i>	
 mountain ranges	shān mài
 mutualism	hù lì gòng shēng
<i>/ˈmjuːtʃuːəlɪzəm/</i>	

English	Pinyin
 natural gas	tiān rán qì
<i>/ˈnætʃərəl ɡæs/</i>	
 natural selection	zì rán xuǎn zé
<i>/ˈnætʃərəl siˈlekʃn/</i>	
natural systems	zì rán xì tǒng
net primary productiv- ity	jìng chū jí shēng chǎn lì
 niche	shēng tài wèi
<i>/niːʃ/</i>	
nitrates	xiǎo suān yán
<i>/ˈnaɪtreɪts/</i>	
nitrification	xiāo huà zuò yòng
<i>/ˌnaɪtrɪfɪˈkeɪʃn/</i>	
nitrites	yà xiǎo suān yán
nitrogen	dàn
<i>/ˈnaɪtrədʒn/</i>	
 nitrogen cycle	dàn xún huán
<i>/ˈnaɪtrədʒn ˈsaɪkl/</i>	
 nitrogen fixation	gù dàn zuò yòng
<i>/ˈnaɪtrədʒn fɪkˈseɪʃn/</i>	
 nitrogen oxides	dàn yǎng huà wù
<i>/ˈnaɪtrədʒn ˈɒksaɪdz/</i>	
 no-till	miǎn gēng
<i>/nəʊ tɪl/</i>	
 noise pollution	zào shēng wū rǎn
<i>/nɔɪz pəˈluːʃn/</i>	
non-native	
non-target species	
noninfectious disease	
 nonpoint source	fēi běn dì de
<i>/ˌnɒnˈpɔɪnt sɔːs/</i>	
 nonrenewable	fēi mù biāo wù zhǒng
<i>/ˌnɒnrɪˈnjuːəbl/</i>	
 nonrenewable resource	fēi chuán rǎn bìng
<i>/ˌnɒnrɪˈnjuːəbl rɪˈzɔːs/</i>	
nuclear fission	fēi diǎn yuán
<i>/ˈnjuːklɪə ˈfɪʃn/</i>	

English	Pinyin
 nuclear power	hé néng
<i>/ˈnjuːklɪə ˈpaʊə/</i>	
 nuclear power station	hé diàn zhàn
<i>/ˈnjuːklɪə ˈpaʊə ˈsteɪʃn/</i>	
nuclear waste	hé fèi liào
 ocean acidification	hǎi yáng suān huà
<i>/ˈəʊʃn əˌsɪdɪfɪˈkeɪʃn/</i>	
ocean circulation	hǎi yáng huán liú
ocean currents	yáng liú
 ocean warming	hǎi yáng biàn nuǎn
<i>/ˈəʊʃn ˈwɔːmɪŋ/</i>	
oil	shí yóu
<i>/ɔɪl/</i>	
oil spills	shí yóu xiè lòu
omnivores	zá shí dòng wù
 open-pit mine	lù tiān kuàng
<i>/ˈəʊpən pɪt maɪn/</i>	
 optimal range	zuì shì fàn wéi
<i>/ˈɒptɪml reɪndʒ/</i>	
organism	shēng wù tǐ
<i>/ˈɔːɡənɪzəm/</i>	
 outcompete	pái jǐ
<i>/aʊtkəmˈpiːt/</i>	
overexploitation	guò dù kāi fā
 overfishing	guò dù bǔ lǎo
<i>/ˌəʊvəˈfɪʃɪŋ/</i>	
 overgrazing	guò dù fàng mù
<i>/ˌəʊvəˈɡreɪzɪŋ/</i>	
overharvesting	guò dù huò qǔ
<i>/ˌəʊvəˈhɑːvɪstɪŋ/</i>	
 overshoot	chāo chū
<i>/ˌəʊvəˈʃuːt/</i>	
ozone	chòu yǎng
<i>/ˈəʊzəʊn/</i>	
ozone depletion	chòu yǎng hào sǔn

English	Pinyin
ozone hole	chòu yǎng dòng
 ozone layer	chòu yǎng céng
<i>/ˈəʊzəʊn ˈleɪə/</i>	
parasitism	jì shēng
<i>/ˈpærəsɪtɪzəm/</i>	
parental care	qīn dài fù yù
particle size	kē lì dà xiǎo
Particulate matter	kē lì wù
<i>/pəˈtɪkjələɪt ˈmætə/</i>	
 particulates	kē lì wù
<i>/pəˈtɪkjələɪts/</i>	
 pathogens	bìng yuán tǐ
<i>/ˈpæθədʒnz/</i>	
 peat	ní tàn
<i>/pi:t/</i>	
 periodic	zhōu qī xìng
<i>/ˌpɪərɪˈɒdɪk/</i>	
permafrost	yǒng jiǔ dòng tǔ
 permeability	shèn tòu xìng
<i>/ˌpɜːməˈbɪlɪti/</i>	
 permeable pavement	tòu shuǐ lù miàn
<i>/ˈpɜːməbl ˈpeɪvmənt/</i>	
 persistent organic pollutants	chí jiǔ xìng yǒu jī wū rǎn wù
<i>/pəˈsɪstənt ɔːˈɡæɪnɪk pəˈluːtənts/</i>	
pest vulnerability	yì shòu chóng hài
 pesticide	nóng yào
<i>/ˈpestɪsaɪd/</i>	
 pesticide resistance	kàng yào xìng
<i>/ˈpestɪsaɪd rɪˈzɪstəns/</i>	
 pH	suān jiǎn dù
<i>/piː eɪtʃ/</i>	
phosphorus	lín
<i>/ˈfɒsfɔːrəs/</i>	
 phosphorus cycle	lín xún huán
<i>/ˈfɒsfɔːrəs ˈsaɪkl/</i>	

English	Pinyin
photic zone	tòu guāng céng
 photochemical smog	guāng huà xué yān wù
<i>/ˌfəʊtəʊˈkemɪkl smɒɡ/</i>	
 photosynthesis	guāng hé zuò yòng
<i>/ˌfəʊtəʊˈsɪnθəˌsɪs/</i>	
 photovoltaic	guāng fú
<i>/ˌfəʊtəʊvəʊlˈteɪn/</i>	
photovoltaic cells	guāng fú diàn chí
 physiological	shēng lǐ de
<i>/ˌfɪziəˈlɒdʒɪkl/</i>	
 pioneer species	xiān fēng wù zhǒng
<i>/paɪəˈniə ˈspiːsiːz/</i>	
 Plague	shǔ yì
<i>/pleɪɡ/</i>	
plate boundaries	bǎn kuài biān jiè
 plate tectonics	bǎn kuài gòu zào
<i>/pleɪt tekˈtɒnɪks/</i>	
 plates	bǎn kuài
<i>/pleɪts/</i>	
point source	diǎn yuán
<i>/pɔɪnt sɔːs/</i>	
poles	liǎng jí
<i>/pəʊlz/</i>	
pollutants	wū rǎn wù
<i>/pəˈluːtənts/</i>	
pollution	wū rǎn
<i>/pəˈluːʃn/</i>	
population	zhǒng qún
<i>/ˌpɒpjəˈleɪʃn/</i>	
 population bottleneck	zhǒng qún píng jǐng
<i>/ˌpɒpjəˈleɪʃn ˈbɒtəlnek/</i>	
population growth	rén kǒu zēng zhǎng
 porosity	kǒng xì dù
<i>/pɔːˈrɒsɪti/</i>	
power plants	fā diàn chǎng
 power station	fā diàn zhàn
<i>/ˈpaʊə ˈsteɪʃn/</i>	

English	Pinyin
pre-reproductive	fán zhí qián qī
 precipitation	jiàng shuǐ
 predation	bǔ shí
 prescribed burn	jì huà shāo chú
prevailing winds	shèng xíng fēng
primary consumers	chū jí xiāo fèi zhě
 primary pollutants	yī cì wū rǎn wù
 primary productivity	chū jí shēng chǎn lì
 primary succession	chū jí yǎn tì
primary treatment	yī jí chǔ lǐ
 primary, secondary, and tertiary consumers	xiāo fèi zhě
private ownership	sī yǒu zhì
 producers	shēng chǎn zhě
properties	xìng zhì
protected areas	bǎo hù qū
provisioning services	gōng jǐ fú wù
radioactive waste	fàng shè xìng fèi wù
 radon	dōng
rain forests	yǔ lín
rain gardens	yǔ shuǐ huā yuán

English	Pinyin
 rain shadow	yǔ yǐng
 random	suí jī
 range of tolerance	nài shòu fàn wéi
reclaim	fù kěn
 recycle	huí shōu
 reduce	jiǎn shǎo
 reduce, reuse, recycle	jiǎn liàng 、 zài lì yòng 、 huí shōu
 reforestation	chóng xīn zào lín
regulating services	tiáo jié fú wù
regulation	guǎn zhì
reliable	kě kào de
 renewable	kě zài shēng
 renewable resource	kě zài shēng zī yuán
replacement-level fertility	gēng tì shuǐ píng shēng yù lǚ
replenishment	bǔ chōng
 reproduction	fán zhí
reproductive strategies	fán zhí duì cè
 reservoir	shuǐ kù
 resilient	yǒu rèn xìng de
resist breakdown	kàng fēn jiě
 respiration	hū xī zuò yòng

English	Pinyin
 retention ponds	zhì liú chí
 reuse	chóng fù lì yòng
 risk analysis	fēng xiǎn fēn xī
 risks	fēng xiǎn
 rotational grazing	lún mù
 runoff	jìng liú
 salinity	yán dù
 salinization	yán jiǎn huà
 saltwater intrusion	hǎi shuǐ rù qīn
 sand	shā lì
 sanitary landfill	wèi shēng tián mái chǎng
 savanna	xī shù cǎo yuán
 scrubbers	xǐ dí qì
 sea level	hǎi píng miàn
 sea-level rise	hǎi píng miàn shàng shēng
 second law of thermodynamics	rè lì xué dì èr dìng lǚ
 secondary consumers	cì jí xiāo fèi zhě
 secondary pollutants	èr cì wū rǎn wù
 secondary succession	cì jí yǎn tì
 secondary treatment	èr jí chǔ lǐ
 sediment	chén jī wù

English	Pinyin
 selective cutting	zé fá
 sewage treatment	wū shuǐ chǔ lǐ
 silt	fěn lì
 slash-and-burn	dāo gēng huǒ zhòng
 slope	pō dù
 social	shè huì de
 Soil	tǔ rǎng
 soil erosion	tǔ rǎng qīn shí
 soil fertility	tǔ rǎng féi lì
 soil health	tǔ rǎng jiàn kāng
 soil horizons	tǔ rǎng céng
 soil profile	tǔ rǎng pōu miàn
 soil salinization	tǔ rǎng yán jiǎn huà
 soil texture triangle	tǔ rǎng zhì dì sān jiǎo tú
 Solar	tài yáng néng
 solar energy	tài yáng néng
 solar intensity	tài yáng qiáng dù
 solar radiation	tài yáng fú shè
 solid waste disposal	gù tǐ fèi wù chǔ zhì
 solstices	zhì diǎn
 source reduction	yuán tóu jiǎn liàng
 sources	lái yuán

English	Pinyin
 specialist <i>/ˈspeʃəlɪst/</i>	tè huà
species <i>/ˈspiːsiːz/</i>	wù zhǒng
species diversity	wù zhǒng duō yàng xìng
species evenness	wù zhǒng jūn yún dù
 species richness <i>/ˈspiːsiːz ˈrɪtʃnəs/</i>	wù zhǒng fēng fù dù
sprawl <i>/sprɔːl/</i>	chéng shì màn yán
spray irrigation	pēn guàn
standing crop	xiàn cún liàng
 steam <i>/stiːm/</i>	zhēng qì
storms	fēng bào
stormwater	yǔ shuǐ
 stratosphere <i>/ˈstrætəsfɪə/</i>	píng liú céng
streams and rivers	hé liú
 stress <i>/stres/</i>	yā lì
 structural <i>/ˈstrʌktʃərəl/</i>	jié gòu de
 subsurface mining <i>/ˈsʌbsəfɪs ˈmaɪnɪŋ/</i>	dì xià kāi cǎi
 sulfur dioxide <i>/ˈsʌlfɜː daɪˈɒksaɪd/</i>	èr yǎng huà liú
supporting services	zhī chí fú wù
 surface mining <i>/ˈsɜːfɪs ˈmaɪnɪŋ/</i>	lù tiān kāi cǎi
 survivorship curve <i>/səˈvʌrəʃɪp kɜːv/</i>	cún huó qū xiàn
 sustainability <i>/səˈsteɪnəˈbɪlɪti/</i>	kě chí xù xìng

English	Pinyin
sustainable <i>/səˈsteɪnəbl/</i>	kě chí xù de
 sustainable agriculture <i>/səˈsteɪnəbl ˈægrɪkʌltʃə/</i>	kě chí xù nóng yè
 sustainable forestry <i>/səˈsteɪnəbl ˈfɒrɪstri/</i>	kě chí xù lín yè
 sustainable yield <i>/səˈsteɪnəbl jiːld/</i>	kě chí xù chǎn liàng
 symbiosis <i>/ˌsɪmbaɪˈəʊsɪs/</i>	gòng shēng
symbiotic	gòng shēng
 synthetic fertilizers <i>/sɪnˈθetɪk ˈfɜːtəlaɪzəz/</i>	huà féi
 taiga <i>/ˈteɪɡə/</i>	tài jiā lín
 tailings <i>/ˈteɪlɪŋz/</i>	wěi kuàng
 tar sands <i>/tɑː sændz/</i>	yóu shā
temperate deciduous forest	wēn dài luò yè lín
temperate grassland	wēn dài cǎo yuán
temperature <i>/ˈtemprɪtʃə/</i>	wēn dù
 temperature and precipitation <i>/ˈtemprɪtʃə ænd prɪˌsɪpɪˈteɪʃn/</i>	jiàng shuǐ
 terracing <i>/ˈterɪsɪŋ/</i>	tī tián
 terrestrial <i>/təˈrestriəl/</i>	lù dì de
tertiary consumers	sān jí xiāo fèi zhě
 texture <i>/ˈtekstʃə/</i>	zhì dì
the open ocean	yuǎn yáng
 The ozone hole <i>/ði ˈəʊzəʊn həʊl/</i>	chòu yǎng dòng

English	Pinyin
 thermal expansion	rè péng zhàng
 thermal inversion	nì wēn xiàn xiàng
 thermal pollution	rè wū rǎn
 threshold	yù zhí
threshold dose	yù zhí jì liàng
 tillage	gēng zuò
 tilt	qīng xié
timber	mù cái
tolerance	nài shòu xìng
top predators	dǐng jí bǔ shí zhě
 total fertility rate	zǒng hé shēng yù lǜ
toxicity	dú xìng
 trade	mào yì
trade winds	xìn fēng
trade-off	quán héng
tragedy	bēi jù
 tragedy of the commons	gōng dì bēi jù
 transpiration	zhēng téng zuò yòng
 trophic level	yíng yǎng jí
 tropical rainforest	rè dài yǔ lín
 troposphere	duì liú céng

English	Pinyin
 Tuberculosis (TB)	jié hé bìng
 tundra	tái yuán
 ultraviolet	zǐ wài xiàn
uneven heating	bù jūn yún jiā rè
unregulated	wú guǎn zhì de
 upwelling	shàng shēng liú
 urban heat island	chéng shì rè dǎo
 urban heat islands	rè dǎo
 urban runoff	chéng shì jìng liú
 urban sprawl	chéng shì kuò zhāng
 urbanization	chéng shì huà
 vectors	bìng méi
vegetation	zhí bèi
 ventilation	tōng fēng
 volatile organic compounds	huī fā xìng yǒu jī huà hé wù
volcanic eruptions	huǒ shān pēn fā
volcanoes	huǒ shān
warming potential	zēng wēn qián shì
 waste	fèi wù
 water cycle	shuǐ xún huán
water quality	shuǐ zhì

English	Pinyin
water table	dì xià shuǐ wèi
water vapor	shuǐ zhēng qì
waterlogging	lào zì
 watershed	liú yù
<i>/ˈwɔːtəʃed/</i>	
 weather	tiān qì
<i>/ˈweðə/</i>	
weather patterns	tiān qì mó shì
 weathering	fēng huà
<i>/ˈweðərɪŋ/</i>	
 weathers	fēng huà
<i>/ˈweðəz/</i>	
 West Nile / Zika	xī ní luó
<i>/west nail ˈziːkə/</i>	
 wetlands	shī dì
<i>/ˈwetləndz/</i>	
 wildlife	yě shēng dòng wù
<i>/ˈwaɪldlaɪf/</i>	
 Wind	fēng néng
<i>/wind/</i>	
 wind turbines	fēng lì wō lún jī
<i>/wind ˈtɜːbaɪnz/</i>	
zone of stress	xié pò qū