

Unit 1 LowCarbon Economy

Text A Creating a Low Carbon Economy

→III. Key to the Exercises

1. Reading Comprehension

a. Choose the sentence that best expresses the meaning of the statement from the text.

1. B2. B3. A4. C5. B

b. Fill in the blanks with the information you've learned in the text.

1 the result of the rapid build up of greenhouse gases primarily caused by humanactivities; we begin a concerted, rapid shift toward a low carbon economy

2 climate represents the envelope within which all our natural systems operate

3 the increased costs of damage from extreme weather events such as floods, droughts, hurricanes, heat waves, and major storms; the risk that such events affect global financial markets through higher or more volatile insurance costs; and the risk of abrupt and large scale climate change

4 Scientific analysis of historic climate data and projections of future conditions, and state of the art computer models paint a stark picture of what is to come

5 keeping average temperature to an increase in the range of 2.0 °C to 2.4 °C

## 2. Vocabulary

a. Fill in the blanks with the correct form of the words or phrases you have learned in the text.

1 adverse 2 stark 3 inflict 4 systematically 5 triggered

6 improvident 7 incurred 8 alternative 9 lost out on 10 settled on

b. Choose the word or phrase that is closest in meaning to the underlined one.

1 B 2 C 3 A 4 D 5 B 6 C 7 A 8 D 9 C 10 D

## 3. Cloze

Choose an appropriate word or phrase from the following list to fill in each of the following blanks. Each one can be used only ONCE.

Change the form where necessary.

1 embraced 2 sped up 3 running out 4 urgency 5 initiative

6 specific 7 designated 8 contribute 9 incorporate 10 hampering

11 reward 12 involved 13 adverse 14 adaptive 15 vulnerability

16 alternative 17 context 18 due to 19 compensation 20 scheduled

## 4. Translation

a. Chinese to English

1 Translate the following sentences into English.

1 Bending under the weight of the packs, sweating, they climbed steadily in the pine forest that covered the mountainside.

2 Concentrating on time passing, as we do when bored, will trigger brain activity which will make it seem as though the clock is ticking more slowly.

3 Unemployment shot up in France during the second quarter, and the country's top finance official said the situation will continue to aggravate even if a global economic recovery gathers pace. It was the worst quarterly unemployment in France since early 2006.

4 As social practice continues to develop, we should keep renewing our ideas and make innovations courageously in light of practical needs.

5 Bicycles are regarded as an economical alternative to buses whose fares have increased 3 times in the past few years.

6 The U.S. government has called on people to save water because the scarcity of water has become a source of global tension ecologically, economically and politically.

7 In order to be a recognized leader in the industry, it's essential for a company to improve production quality and tap the overseas

market through the help of state of the art technologies and equipment.

8 If you are thinking about coming to Britain for Christmas, it might be a good idea to think again. That's because thousands of Christmas travelers have been stranded in the UK as adverse weather conditions caused massive disruption to the transport infrastructure.

2 Translate the following paragraphs into English.

Scientists say the warming of the planet will be gradual, but that extreme weather events will increase in frequency and intensity.

They say the effects of more storms, floods, droughts and heat waves will be abrupt and profound. The World Health Organization says the effects of so called climate sensitive diseases already are killing millions of people.

Climate change is a global phenomenon. While no country will be exempt, she says its consequences will not be evenly distributed.

The WHO chief says poor countries that already are struggling with huge problems will be most affected. Fragile health systems in the developing world will come under increased stress. They will have great difficulty coping with the increased burden of disease and other health problems.

b. English to Chinese

1 Translate the following paragraph into Chinese.

很多权威的气候学家们都曾发出过这样的警告：如果我们现在的温度超过工业化前2摄氏度 3.6华氏度的话，我们将会迈进一个危险的未知国度。没有人能知道到底全球变暖达到多少度会变得无法控制，并且造成像干旱、洪水、飓风以及热浪等自然灾害的逐渐恶化，造成诸如格陵兰岛或西南极洲大冰原坍塌以及伴随的全球海平面上升等意外的灾难性变化。但是我们还依然在我们唯一的家身上不断做着危险而又不受约束的尝试，这也是为什么越来越多的年轻人开始将气候变化视为他们这一代人的一项挑战。

**2 Read the following passage carefully and translate the underlined sentences into Chinese.**

1 双方相信，应对气候变化应该尊重发展中国家把经济和社会发展作为优先事项，并相信向低碳经济转型是促进所有国家经济持续增长和可持续发展的机会。

2 中美双方决心根据各自国情采取重要减缓行动，并认识到两国在促成加强世界应对气候变化能力的可持续成果方面具有重要作用。双方决心支持这些承诺。

3 在此背景下，双方致力于在哥本哈根会议达成最终的法律协议，同时相信，在共同但有区别的责任原则和各自能力的基础上，达成的成果应包括发达国家的减排目标和发展中国家的国内适当减缓行动。

4 基于中美两国在电动汽车领域的巨大投资，两国政府宣布在十几个城市开展联合示范项目，并努力开发共同的技术标准以推动此产业规模快速增长。

5 通过该伙伴关系,两国将就大规模利用风能、太阳能、先进生物燃料和现代电网制定路线,在设计和执行实现这一远景所需的政策和技术手段方面进行合作.

## Text B Living a Low Carbon Lifestyle

### Key to the Exercises

a. Fill in the blanks with the words or phrases given below. Change the form where necessary.

1 perilously 2 in harmony with 3 tricky 4 nurture 5 make a difference

6 insulated 7 deplete 8 step back 9 sustain 10 by way of

b. Complete the sentences with the information given in the text.

1 more efficient, kinder, fair, above all sustainable

2 keep you comfortable, make life easier, do the things you want to do

3 simplify the meter reading process, easy and enlightening, fun

4 are lined and not covering radiators

5 coming on, warm enough, you're not heating rooms

6 find a balance between the actions we can do, having to compromise on our quality of life

7 for the strictly necessary amount of time, hot/warm food

8 the curtains, the doors between rooms

9 reducing our energy consumption, travelling more efficiently

10 easily re used and recycled, with the lowest packaging

c. Decide whether the statement is TRUE or FALSE according to the text.

1 T2 F3 T4 F5 F6 F7 T8 F9 T10 F

## Unit 4 Artificial Intelligence

### Text A The Future of Artificial Intelligence

→III. Keys to the Exercises

#### 1. Reading Comprehension

a. Choose the sentence that best expresses the meaning of the statement from the text.

1 B2 C3 A4 C5 A

b. Fill in the blanks with the information you've learned in the text.

1 clean our floors, mowour lawns and, in general, eliminate drudgery from our lives

2 the computer based artificial brain is still well below the level of sophistication needed to build a humanlike robot

3 the same kind of perception, cognition and thought as humans

4 generate positive and negative reinforcement signals in predefined circumstances

5 become quite formidable and will outperform human beings in any conceivable area of endeavor, intellectual or physical

#### 2. Vocabulary

a. Fill in the blanks with the correct form of the words or phrases you have learned in the text.

1 attest 2 disoriented 3 elusive 4 negate 5 progeny

6 outstrip 7 versatile 8 meld 9 contingency 10 mainstay

b. Choose the word or phrase that is closest in meaning to the underlined one.

1 A 2 D 3 B 4 A 5 D 6 C 7 D 8 D 9 B 10 B

### 3. Cloze

Choose an appropriate word or phrase from the following list to fill in each of the following blanks. Each one can be used only ONCE.

Change the form where necessary.

1 cover 2 battlefield 3 deployed 4 initiating 5 aerial

6 problematic 7 arise 8 mindful 9 vital 10 goes

11 robotics 12 provided 13 collection 14 ethical 15 endowed

16 traits 17 expression 18 dumb 19 guidelines 20 stupid

### 4. Translation

a. Chinese to English

1 Translate the following sentences into English.

1 It often happens, however, that thinking lags behind reality; this is because man's cognition is limited by numerous social conditions.



2 Something big was in the offing, so big that the workers at the Simonson plant had been virtually placed under arrest to prevent any information from leaking out.

3 Only by understanding the nature of thinking mode, can man bring forth new ideas in philosophy, and the crux of philosophical innovation lies in the change of man's thinking mode.

4 From then on, he struggled in his attempts to overcome his humble origins and insinuate himself into upper class society.

5 It's a far cry from the days when I was just a clerk in a supermarket and nobody paid me any attention.

6 The invention of microprocessors set the stage for the arrival of the microcomputer, or personal computer —an affordable machine for the masses.

7 So there's no such thing as an enemy in absolute terms. The enemies we fight are only in relative terms, constantly changing with the times.

8 Taiwan, viewed from the historical facts and the international law, is beyond dispute one part of Chinese sacred territory and it is an inviolable mission of the entire Chinese people to reunify the motherland.

2 Translate the following paragraph into English.

estimated to have reached about 5.5 million this year —and are expected to more than double to 11.5 million by 2011 —yet there is little or no control over how these machines are used. Some help busy professionals entertain children; other machines feed and bathe the elderly and incapacitated. “We need to look at guidelines for a cut off so we have a limit to the contact with robots” one expert said. “Some robots designed to look after children with them for hours, or even days. At the other end of the age spectrum to child care, the relative increase in many countries in the population of the elderly relative to available younger care givers has spurred the development of elder care robots.”

## b. English to Chinese

### 1 Translate the following paragraph into Chinese.

计算的能力当然与生存无关,然而随着语言改变了人类的文化,至少是我们大脑的一小部分已进化成了一种勉强可以称为通用机器的东西.这个机器的一个特点就是它能服从一系列随意的指令,而这些指令可以通过语言进行传递并得以执行.但是由于我们把数字看成是复杂的东西,将它们写下来并用以完成其它类似的功能,所以我们处理数字的方式显得非常笨拙,并且效率不高.我们用上百亿个神经细胞花好几分钟进行的运算通过上百个计算机,尤其是那些经过重新设置用于计算的计算机,可以在几毫秒就完成.

Read the following passage carefully and translate the underlined sentences into Chinese.

1 但它们并不是用高出一筹的逻辑和力量统治人类,而是有可能导致一个与他人完全隔绝的底层人群的产生.

2 机器人正被引入潜在的敏感情境中,这可能导致被服务者与世隔绝的状态,因为人们在给机器人设定指令后,往往很长时间不再问津.

3 许多机器人被设计成玩具,但它们也能扮演照看孩子的角色: 监督孩子的一举一动,通过无线电脑连接或移动电话与另一个房间甚至另一座建筑物内的家长联络.

4 但是由于机器人保姆能在身体上保护孩子的安全,可能会造成孩子一天数小时或者几天都不与人接触,同时不同程度的与社会隔绝对孩子成长可能造成的心理影响目前还不清楚.

5 护理老年人的机器人能帮助老年人在自己家中自理,但它们的存在可能会使老年人完全处于机器人照顾之下,从而面临缺乏足够的与人交流机会的危险.

### Text B Revenge of the Nerds

#### Key to the Exercises

a. Fill in the blanks with the words or phrases given below. Change the form where necessary.

1 in full swing 2 awestruck 3 imminent 4 daunting 5 affable

6 relish 7 omniscience 8 outlandish 9 alien 10 harness

b. Complete the sentences with the information given in the text.

2 the transformative moment

3 “the world’s first cyborg”

4 current singularitarian in chief, inventor Ray Kurzweil

5 genetics, nanotechnology and robotics

6 The sense of imminence and immediacy

7 not just language but complex abstractions

8 anything being dangerous or sentient

9 people were scared of these machines

10 cryonic suspension

c. Decide whether the statement is TRUE or FALSE according to the text.

(1) T2 F3 T4 F5 F6 F7 T8 T9 T10 F

unit6 UrbanLife

TextAHowtheCityHurtsYourBrain,andWhatYouCanDoaboutIt →

III.KeytotheExercises

1.ReadingComprehension

a.Choosethesentencethatbestexpresses themeaningofthestatementfromthetext.

1C2A3B4B5C

b.Fillintheblankswiththeinformationyouvelearnedinthetext.

ve in the city because it spreads terrible diseases and is far away from nature with considerable pressures

2 it forces our brain to take energy and effort to monitor every potential threat on the busy and noisy streets and constantly redirects our attention, which exploits one of the crucial weak spots of the brain

3 natural settings are full of objects that automatically capture our attention without triggering a negative emotional response and thus our brain which directs attention can relax deeply and replenish itself

4 the brain is assaulted with temptations and resisting these temptations requires the brain to use the part of it that is responsible for directed attention, which means that it has already been exhausted by walking around the city and then will fail to exert self control

5 they are the centers of social activities that largely lead to urban creativity as strangers interact with each other in unpredictable ways

## 2. Vocabulary

a. Fill in the blank with the correct form of the words or phrases you have learned in the text. 1 overlooking 2 migrations 3 thoroughfare 4 layout 5 hectic

6 wellspring 7 corollary 8 undiluted 9 myriad 10 vibrant

b. Choose the word or phrase that is closest in meaning to the underlined one

1 B 2 B 3 A 4 D 5 C 6 D 7 A 8 A 9 B 10 D

Choose an appropriate word or phrase from the following list to fill in each of the following blanks. Each one can be used only ONCE. Change the form where necessary. 1 control 2 otherwise 3 revenue 4 neighboring 5 announced 6 crossroads 7 taking 8 imposing 9 maximize 10 prosperity 11 rather 12 though 13 accomplish 14 making 15 pave 16 gradually 17 sparing 18 Under 19 instead 20 lower

#### 4. Translation

##### a. Chinese to English

1 Translate the following sentences into English.

1 There are a lot more wonderful and exciting things waiting for you in New Beijing, a dynamic modern metropolis with 3,000 years of cultural and historical treasures woven into the urban prosperity.

2 He is such an enthusiastic football fan that he tends to hold forth on his favorite team whenever it is mentioned.

3 The educational system has to be able to outfit the young generation with necessary knowledge, attitudes and values that would ensure they areintimidated for the new age in which there might be no jobs but only opportunities.

4 The anxious mother searched high and low for her missing son, only to find him sleeping sound in the mess of toys in his own bedroom.

ly cooperate with a local research institute to look for genetic markers that correlate with this chronic disease.

6 The accounting system of an enterprise consists of the methods, procedures, and devices used by an economic entity to keep track of its financial activities and to summarize these activities. 7 When she graduated from college, Cindy decided to go back to work in the orphanage where she had been brought up, because her heart was over-stuffed with gratitude and warmth for those who had generously helped her in her growth and she wanted to be like them all so to give help to the kids who had lost their parents.

8 NASA planned to plunge on the feasibility of the project of sending astronauts to Mars and having them settle down on it.

2 Translate the following paragraph into English.

Expo 2010 Shanghai is the first Expo held by a developing country, the first held in the downtown area of a mega city, and it was held under the shadow of the international financial crisis. This is a severe test to China and Shanghai. Over the past eighty years, we mobilized resources throughout the country and pooled the wisdom of the world in the preparation for the Expo. The people of Shanghai, in particular, made selfless contributions and the International Exhibitions Bureau and host countries of past Expos provided valuable guidance. The success of the Expo could not have been possible without the tireless efforts of many people.

ple,includingtheorganizers,constructionworkers,staffmembers,visitorsandvolunteers.Itistheirsincerity,wisdomandhardworkthathaverenderedsplendortotheExpo.OnbehalfoftheChinesegovernment,Iwishtoeexpressheartfeltgratitudeandpayhightributetoallthecomradesandfriendswhohaveparticipatedin,supportedandcontributedtotheShanghaiExpo.b.EnglishtoChinese

1 Translate the following paragraph into Chinese.

然而,这些大草原式的公园实际上对大脑并无多少益处.在最近发表的一篇论文中,昆士兰大学生态学家理查德富勒发现,绿色空间的心理效益与植物种类的多样性密切相关.如果一个城市公园中树木的品种较多,则在这里呆过的受试者在各种心理健康测试中的得分都较高,至少与其在生物多样性较少的公园呆过后相比是这样.“我们非常担忧城市化对于其他物种的影响,”富勒说.“但是我们人类也受到了影响.绿色空间能让我们放松、休息,这就是对其进行投资的重要原因.”

2 Read the following passage carefully and translate the underlined sentences into Chinese.

1 二月份在位于东 69 号大街附近风景如画的公园人行道上,一棵美国榆树的树干断落,造成一名 46 岁的布鲁克林男子死亡,其原因是厚重的积雪使之不堪重负.

2 “除非把城市中的每一棵树都砍倒,否则无法保证树干脱落的情况不会发生,”市长在新闻发布会上说道.



3 为了减少意外事故的危险,位于中央公园的 25000 棵树木受到定期检查、修剪——这一任务落在了“中央公园保护组织”身上,这是一个私人的非营利性组织,承担公园大部分的日常维护、经营和预算任务.

4 纽约市五百二十万棵树木的其它部分由城市公园管理部负责维护,该部门 2009 年处理了 8500 个有关危险树枝的报告,伐除已死亡或存在潜在危险的树干、树枝.

5 布鲁伯格 2007 年宣布,作为改善公共卫生及环境方案的一部分,未来十年还要在纽约再种植一百万棵树木,因此这些数字还有可能增

长.

### Key to the Exercises

a. Fill in the blanks with the words or phrases given below. Change the form where necessary.

1 indisputable 2 are replicated 3 communal 4 solitary 5 aspiring

6 misdemeanor 7 intermittently 8 jaunty 9 indigenous 10 hardcore

11 sprinting and jumping

12 all around physically fit men

13 a challenging environment

14 “hunter gatherer”

15 various hardships 16 scowled at

17 are a gain of fortitude

c. Decide whether the statement is TRUE or FALSE according to the text.

1 F 2 F 3 F 4 T 5 T 6 F 7 F 8 T 9 T 10 T

Unit 7 Mass Media

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