### Национальный исследовательский университет Высшая школа экономики

### О.Б. Тамбовцева

# **Academic Listening**

Учебно-методическое пособие Упражнения по развитию академических навыков аудирования



ББК 81 Т 17

#### Рецензенты:

Великая Е.В. — доктор филологических наук, профессор Соколова М.А. — кандидат филологических наук, профессор

#### Тамбовцева О.Б.

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Пособие предназначено для обучения академическим навыкам аудирования и подготовке к сдаче международного экзамена IELTS по аспекту «Академическое аудирование».

Для студентов и преподавателей неязыковых вузов, а также для всех желающих приобрести академические навыки аудирования на английском языке.

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### **Contents**

	Предисловие	. 5
1.	More light than heat. Bureaucratic meddling	
	has harmed solar power	. 7
2.	Remote diagnosis. Satellite data can suggest when	
	and where epidemics strike next	. 8
3.	Trading licks. Will newspapers grab consumers	
	by the tongue?	10
4.	A link between wealth and breeding.	
	The best of all possible worlds?	
	The future is another country	
6.	Win-win. Save the world and become a millionaire. $\dots$	14
<b>7</b> .	A is for earth. The world will soon know more	
	about carbon dioxide	15
8.	Extending lifespan. Of mice and monkeys.	
	And men?	
	On the mark. Ecological labelling takes off	18
10.	Having a laugh. Why every company needs	
	a fun strategy	
	The recession spurs self-service. Help yourself	21
<b>12.</b>	Prediction markets. A novel way	
	of generating forecasts has yet to take off	22
13.	Happy birthday, HBS. Harvard Business School	
	at 100: Whither the MBA?	23
14.	Venture Capital. Is it better to choose	2.4
	the horse or the jockey?	24
15.	Branding land. Conservation marketers choose	0.0
4.0	land over beast	26
16.	Every little helps. Green shopping without the hairshirt	97
1 P		4(
17.	The Conservation Olympics. On being green when the world has the blues	90
	the world has the blues	40

3

18. Talk about that. Websites that use the spoken word will empower the illiterate	a
19. Testing metal. When thinking globally requires unpleasant action locally	
20. Mission: Trasmission. Harvesting the breeze is trickier than it sounds	
21. Can green be groovy? The pros and cons of an eco-friendly nightclub	
22. Home again. Why videoconferencing won't save the world	
23. Sleeping with the fishes. High time to save the Mediterranean bluefin	5
24. Box clever. Some wine can improve if stored in a carton rather than in a bottle	6
25. Why does Berkeley have so many Priuses?  The geography of green consumerism	7
26. In a stew. Conservationists ought to try hashing out which is the least bad bushment	8
27. Invasion of the holiday-snatchers. Swimming with the jellyfish this summer	9
28. Let them eat bugs. A new, abundant and environmentally friendly source of protein is creating some buzz 40	0
29. Sharing the same dream. Paying for the Caribbean diversity	1
30. Mild and bitter. Depression may be linked to how willing someone is to give up his goals	2
31. Slippery when wet. Kenya plants sugarcane; America uproots it	3
32. The problem with breathing. The unintended consequences of zeal	
Keys:	

### Предисловие

Данное пособие представляет собой сборник упражнений по отработке навыков аудирования на базе современных аудиотекстов The Economist.

Как известно, аудирование является одним из самых сложных видов речевой деятельности. Существуют определенные трудности, присущие этому виду речевой деятельности. Это трудности, обусловленные недостаточной развитостью речевого слуха у студентов, отставанием скорости внутреннего проговаривания от темпа предъявляемой информации, несформированностью механизма вероятностного прогнозирования, небольшим объемом оперативной памяти.

Для преодоления перечисленных трудностей в обучении аудированию в современной методике преподавания иностранных языков выделяется три этапа работы с текстом: предтекстовой (pre-listening), текстовой (while-listening) и послетекстовой (comprehension check).

Наиболее эффективно работа с аудированием проходит при использовании данных этапов работы с текстом. Обучение аудированию, построенное на использовании трех этапов работы над текстом (выделяемых в современной методике преподавания иностранных языков), ведет к более полному пониманию звучащего текста, вызывает интерес у учащихся к аудированию, повышает эффективность аудирования и обеспечивает готовность студентов к продуктивному общению.

Целью данного учебно-методического пособия является отработка академических навыков аудирования на английском языке. Задания на аудирование разработаны в формате IELTS (International English Language Testing System) на базе современных текстов различной тематики: nature

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protection, science and technology, space, the world around us, travelling, new ways of working, human nature, Internet.

Тексты предъявляются только один раз. Пособие рассчитано на уровень Upper-Intermediate и выше.

Настоящее пособие предназначено для аудиторных занятий. Количество времени на каждом занятии 15–20 минут в зависимости от уровня языковой подготовки студентов. Пособие может быть использовано для самостоятельной работы по овладению навыками аудирования.

# 1. More light than heat. Bureaucratic meddling has harmed solar power

### **☑** Before listening:

- 1. What kinds of renewable energy do you know?
- 2. What is "bottleneck"?

# While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

EDF, one of the world's biggest	_ (1), an-
nounced it would invest \$50 m in a firm called Na	anosolar,
which aims to produce cheap solar panels. Nanosolar b	elieves it
can sell panels for just \$1 for each watt of capacity —	less than
(2) of the best deals currently on off	er. Solar
power grew steadily cheaper as the time passed. As the	e technol-
ogy improved, solar panels became cost-effective, fin	est in iso-
lated places such as(3) and oilrigs,	and later
on lonely farms and houses far from the grid. But in	2004, ev-
erything changed. Prices of fossil fuels began to cl	imb, and
worries over global warming and	(4) inten-
sified.	
The German government, who wanted to give sol	ar power

- 1	_
	X

now wants to revise the	subsidy — the sort of behavior that
tends	(9) rather than entice investors. Lots
of silicon factories are _	(10), so an end to the
present bottleneck is in s	ight.

### **✓** After listening:

- 1. Where were solar panels used at first?
- 2. What are the outcomes of Germany's solar panels subsidy?
- 3. Do you think a hefty (high) carbon tax is a good idea to boost low-carbon power sources?

## 2. Remote diagnosis. Satellite data can suggest when and where epidemics strike next

### **☑** Before listening:

1. Match the following words with their definitions:

1. crunch	a. section of a city, characterized by in	
	ferior living conditions	
2. succumb	b. analyze a large amount of data	
3. precipitation	c. die	
4. slums	d. rain, snow, sleet	

2. What is the capital of Kenya?

### **☑** While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

In December 1997 Kenya saw the biggest recorded (1) of Rift Valley fever in East Africa. In 2007 the outbreak happened again. This time researchers at the Goddard Space Flight Centre in Greenbelt, Maryland, part of NASA, warned Kenyan authorities they had a problem. By the

time the epidemic emerged, the Kenyan(2
had dispatched teams to the area to distribute mosquito net
and urge village leaders to stop people slaughtering and eating
animals.
The researchers at Goddard had noticed at the time
of the first outbreak that in the months preceding it
(3) in the equatorial part of the Indian Ocean
had risen by (4). These higher tempera
tures brought heavy rains, cloud cover and warmer air to
much of the Horn of Africa. Mosquitoes multiplied wildly
In 2007 the researches saw the same thing happening in the
ocean, and suspected the same (5) would
follow.
Attempts to foresee epidemics such as these have tra
ditionally relied on fieldwork (6). Crunch
ing data from satellites is much less costly. Satellites trans
mit lots of information on temperatures, precipitation
(7) and even chlorophyll-production of plants
Another study showed that in West Africa malaria tends to
spread faster in (8) neighbourhoods than in
cities and slums. The reason, revealed by satellite, is that the
suburbs have more backyard(9). Satellite
can not only count such small bodies of water, they can mea
sure their longevity, salinity and $\_\_\_$ (10) — and
how mosquito-friendly they are.
✓ After listening:
1. What parasitic disease does tsetse fly bear? Wha
symptoms does it have?
2. How is Rift Valley fever transmitted?
3 What data can be received using satellites?

- 4. Do you think space research is necessary?
- 5. What other functions do satellites perform?

# ×

# 3. Trading licks. Will newspapers grab consumers by the tongue?

### **☑** Before listening:

- 1. What advertising media do you know?
- ✓ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

### **✓** After listening:

- 1. Do you think edible films are a good idea?
- 2. What products can be advertised this way?
- 3. What other innovative means of advertising can you think of?
- 4. What advertising media most influence your buying behavior?

# 4. A link between wealth and breeding. The best of all possible worlds?

### **☑** Before listening:

- 1. What is an average number of children in a family in the developed world?
- 2. What are the reasons of falling fertility rates in the developed world?

# **☑** While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

In most species improved sireumstances are expected

(1) students more envelled in

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He compared the total fertility rate and the human development index of the country. The HDI, a measure used by the United Nations, has three components: life expectancy, \_\_\_\_\_\_\_\_(5), and level of education. Its maximum value is one. According to Dr Myrskyla, in many countries with really high levels of development fertility rates are now approaching two children per woman. Dr Myrskyla's data suggest the outcome of development may not be a collapsing population but, rather, \_\_\_\_\_\_\_(6) population growth.

There are many social explanations of why fertility rates fall as the countries become richer. Birth control, the increasing cost of raising children, the substitution of nationalized (7) for the support of offspring in old age, falling rates of child mortality, etc. Conversely, the introduc-(8) employment policies may contion of tribute to rising fertility rates in developed countries. There is a biological explanation why people want fewer children when they can afford more. There are two ways of reproducing. One way is to produce offspring in large numbers, it is characteristic of species that live in (9), the other way is to have few progeny and dote on them. This way is characteristic of species whose circumstances are predictable. The interpretation of the demographic transition is that abundance enhances the instinct to lavish (10) on a few offspring.

### **✓** After listening:

1. What do Dr Myrskyla's findings show?

### 5. The future is another country

### **☑** Before listening:

1. What are the reasons for studying abroad?

- 2. What do you need to enroll in a foreign higher education institution?
- 3. What opportunities does studying abroad give you?
- 4. What scholarships are available?

In 2006 noonly

# ✓ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

In 2000 hearty(1) students were enrolled in			
foreign universities, a rise of more than $50\%$ since 2000.			
One reason is the growth of(2), ambitious			
youngsters believe that studying abroad will impress multina-			
tional employers. For school-leavers in the developing world,			
(3) and lack of places at home are stronger			
factors. China, the biggest «sending» country, with around			
200,000 students currently in higher education abroad, has			
university places for less than $\_$ (4) of its 100 m			
college-age youngsters. The general level of China's higher			
education remains low: a ranking by Shanghai Jiao Tong Uni-			
versity puts (5) Chinese institution in the			
world's top 200 universities; Britain's Times Higher Educa-			
tion magazine puts Peking University(6) and			
only six Chinese institutions in the top 200.			
International education is Australia's third-biggest export			
after $\_$ (7) and iron ore. Since 2001 foreign stu-			
dents in Australia have been able to apply(8).			
According to Australian Educational International, about a			
third of the country's foreign students are motivated main-			
ly by the hope of gaining it. Ideally, «sending» countries can			
benefit as much as those who take students. In 1978, Chinese			
government decided to send 3,000 students to foreign uni-			
versities each year for training. In fact, only a quarter of the			
students who left China ever returned. So by 1990 China had			

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	_ (9). A new	policy urged	Chinese	people liv-
ing overseas to	«serve their	nation from	abroad»	as consul-
tants, investors	or	(10).		

### **✓** After listening:

1. In what case do students who received higher education abroad return to the motherland?

### 6. Win-win. Save the world and become a millionaire

### **☑** Before listening:

- 1. What do you know about Richard Branson?
- 2. What businesses are in the Virgin group?
- While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

In 1010 Daymand Ontain a Franchman who made his for

in 1919, itayinona of leig, a Frenchi	nan who made ms for-		
tune as an American hotelier, offered the(1)			
prize for the first non-stop transatlantic flight between New			
York and Paris. The X Prize foundation	offers large cash priz-		
es for breakthroughs in	(2) and genomics, and		
plans to offer more in the fields of	(3), biology		
and entrepreneurship. Earlier this year it announced the Pro-			
gressive Automotive X Prize, which will	offer \$10 m to anyone		
who can design a marketable car (safe,(4),			
road-friendly) that gets 100 miles per gallon. The founda-			
tion is developing a whole series of prizes designed to ca-			
talyse clean, renewable and(5) energy			
The X Prize Foundation is not alone in seeking to reward			
(6) for the environment	ent.		

In February 2007, Richard Branson, a British aviation tycoon, announced the Virgin Earth Challenge, which

nts a commercially viable
(7) from the at-
and announced the Saltire
s in(8)
an Department of Energy
of \$4 m to reduce Ameri
enhance national security
running a series of innova
ompetitors to design a new

### **✓** After listening:

- 1. What other famous competitions with large cash prizes do you know?
- 2. Are such prizes necessary?
- 3. Why do people want to win in competitions with financial rewards?
- 4. In what spheres of life do we need to establish prizes for breakthroughs?

# 7. A is for earth. The world will soon know more about carbon dioxide

### **☑** Before listening:

- 1. What do you know about Virgin group?
- 2. What is White Knight Two?
- While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Since the start of the industrial age, the concentration of carbon dioxide in earth's atmosphere has increased by 25% — from about \_\_\_\_\_ (1) parts per mil-

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<u> -</u>

lion to 370 parts per million. Unfortunately, essential data on \_\_\_\_\_ (2) of CO2 does not yet exist. The processes that regulate the exchange between (3), atmosphere and biosphere are poorly known. Current measurements from \_\_\_\_\_\_(4) suggest that only half of the CO2 released into the atmosphere has remained there. What is needed is a high-resolution (5) of CO2. One may now be forthcoming, thanks to a planned new NASA satellite, the Orbiting Carbon Observatory (OCO), scheduled for launch on January, 15, 2009. The OCO's (6) is to map in detail where carbon is being produced and where it is being lost. It will help to document the natural processes and human activities that regulate the abundance and distribution of this important (7). The OCO's data will have to be checked to ensure that they accurately measure what is happening on the ground. Scientists have to make sure that satellites that detect things such as forest, grassland, (8) and CO2, are really seeing these things. The satellite measurements are an average in a column of gas. Measurements can be regularly taken on the ground and using (9). The high-altitude aircraft White Knight Two designed to take tourists into space will be carrying a series of experiments into the high atmosphere. It will regularly fly above (10). ✓ After listening:

- 1. Why do scientists need to know the geographic distribution of CO2?
- 2. Do you think governments should finance space programs like OCO?
- 3. Was OCO successfully launched in 2009?

CAPE CANAVERAL, Fla. — NASA has selected Orbital Sciences Corp. of Dulles, Va., to launch the Orbiting Carbon Observatory-2 (OCO-2) mission. The spacecraft will fly in February 2013. The total cost of the OCO-2 launch services is approximately \$70 million. The OCO-2 spacecraft will replace OCO-1, lost during a launch vehicle failure in 2009.

### 8. Extending lifespan. Of mice and monkeys. And men?

$   \sqrt{} $	Before	liste	ning
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- 1. Do you agree that death and taxes are inevitable?
- **☑** While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Restricting the diets of several species of lab	ooratory ani-		
mals seems to slow down the process of(1)			
(2), as the dietary method is pro	perly known,		
was tested by Richard Weindruch and his team at	the Universi-		
ty of Wisconsin using rhesus monkeys. Meanwhil	le David Har-		
rison of the Jackson Laboratory in Maine publishe	ed a report on		
the(3) effects of a drug called rap	pamycin.		
Dr Weindruch and his team have looked at	(4).		
Half these animals were kept as	(5); with no		
changes in their diet, and the other half experin	nented upon.		
14 out of 38 control animals have died of age-rela	ated illnesses		

such as diabetes, cancer and (6). Only five out of

38 experimented animals so succumbed. Not all of the animals

died of (7). Some succumbed to

infection and even complications from anaesthesia.

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### **✓** After listening:

- 1. Why have the primates not been the subjects of antiageing studies until now?
- 2. What's the medical use of rapamycin?
- 3. Do you think it might be possible to prolong life with the help of pills or by caloric restriction?

## 9. On the mark. Ecological labelling takes off

### **☑** Before listening:

- 1. What do you think the acronym MSC stands for?
- 2. Have you ever heard about MSC-certified fish and seafood?
- 3. What does "stewardship" mean?
- 4. What does FSC stand for?
- 5. What brand names does Unilever own?
- 6. What are Sainsbury's, Tesco and Wal-Mart?

# ✓ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Green labels have	to do a	number	of th	nings:	achie	ve
(1), rej	resent e	nvironme	ental	virtue	and a	at-
tract producers and ret	ailers to u	ise them.	Two g	green la	abels a	are
particularly	(2):	the Fores	t Stev	vardsh	ip Cou	ın-

cil's «FSC» label and the Marin $\epsilon$	e Stewardship Council's «M	SC»
label. The idea of a	$\_$ (3) fish label started in 19	97,
when Unilever, the world's larg	gest buyer of	(4),
and the World Wide Fund for N		
whitefish have been in decline	e since the mid-1980. Unile	ever
wanted to source all its fish su	ustainably by the end of 20	05.
Although the company only rea	eached(5) of	f its
target before selling off most	of its(6),	the
MSC has been doing great. Too	day there are	(7)
with an MSC label around the v	world. Although consumer:	rec-
ognition remains low, many	(8) recognize the	e la-
bel. Seven percent of the world'	's(9) wild-cau	ıght
fish is now MSC-certified. Wi	ith new commitments to N	<b>ISC</b>
from Sainsbury's, Tesco and n	now Wal-Mart (which want	s to
stock only MSC-certified seafo	ood(10), the	in-
centives for sustainable fishing	g will only improve.	

### **✓** After listening:

- 1. What's the difference between MSC-certified seafood and "organic" and "naturally raised" labels?
- 2. What's the synonym for "incentive?"
- 3. Do you find MSC and FSC labelling a good idea? Why/why not?
- 4. Check the site www.msc.org to find out where to buy certified fish in Russia

# 10. Having a laugh. Why every company needs a fun strategy

### **☑** Before listening:

1. What advantages can a relaxed, fun working environment have?

- 2. What is "levity"?
- 3. What do you know about KPMG company? What other three companies do we call "Big four"?
- **☑** While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

«The Levity Effect» by Adrian Gostick and Scott Christo-
pher argues that it is important to have humour in the work-
place. One of the book's (1) ways to have fun
at work is watch a sitcom called (2) at the of-
fice during lunch for a week. The book advises to start each
day smiling in the mirror, to smile at your family, and even
(3). According to the authors, fun at work
can provide (4), help attract and retain em-
ployees, and provide creativity. A fun workplace improves
(5), raises the level of employee trust,
(6) and increases profits.
One of the top ten fun companies, Google, offers its
employees (7), scooters, volleyball courts,
a toy dinosaur and yellow brick road. KPMG, an account-
ing firm, holds online contests for staff, and gives away
(8).
The book, however, has a section called «a few red
flags», which warns against humour that involves kidding,
(9), sarcasm or anger. One should also use
(10) to determine if humour is appropriate.
✓ After listening:
1. What advice of the "The Levity Effect" book do you
find the most useful?

2. What humour strategies would you like your future

company to have?

### **☑** Before listening:

1. What are the reasons self-service is on the rise nowadays?

11. The recession spurs self-service. Help yourself

- 2. What are near-field communication chips? Where are they used?
- 3. What do you think is being introduced to enhance self-service?
  - a. ATMS
  - b. Tellers
  - c. Telephone hotlines
  - Websites
  - Automated checkouts
  - f. Manned registers

$\overline{\mathbf{V}}$	While listening: Complete the summary using NO
	MORE THAN THREE WORDS OR A NUMBER for
	each answer:

Companies are now (1) jobs		
to customers (2) when a ma-		
chine answers telephone calls is also developing. Many		
(3) people like doing things them-		
selves instead of relying on an employee. Self-service can in-		
crease (4). (5) of		
customers choose brands with several forms of self-service,		
· · · · · · · · · · · · · · · · · · ·		
which can be offered online, at(6) and via		
which can be offered online, at(6) and via mobiles. The main reason for introducing self-service is		
which can be offered online, at(6) and via		
which can be offered online, at(6) and via mobiles. The main reason for introducing self-service is(7). It costs only(8)		
which can be offered online, at		

## ×

### **✓** After listening:

- 1. Do you personally prefer self-service or talking to an employee? Why?
- 2. In what spheres of life is self-service most convenient for you?

# 12. Prediction markets. A novel way of generating forecasts has yet to take off

### **☑** Before listening:

- 1. What kinds of forecasts do you think are made in prediction markets?
- **☑** While listening: Complete the notes below. Write NO MORE THAN THREE WORDS for each answer.

Koch Industries, an American company, has been running prediction markets for the past nine months. Koch says the results so far have been fairly accurate compared to actual outcomes, but emphasizes that markets are complementary to other \_\_\_\_\_\_\_(5), not a substitute for them.

The major problem with prediction markets is getting enough people to keep trading after the novelty has

worn off. Many firms offer	(6) to
the most successful traders.	Lloyds TSB, a bank, has a
market in which participants	identify the best new ideas
by trading in a special curre	ency that can be exchanged
(7). The b	ank's head of innovation calls
this scheme	(8). Another reason predic-
tion markets fail is that employ	ees cannot see how the results
are used, so they	(9). Senior manage-
ment are also cautious in rely	ying on predictions made by
(10).	

### **✓** After listening:

- 1. Would you like to work making forecasts in prediction markets? Why/why not?
- 2. Do you think prediction markets are going to become more popular? Why?

# 13. Happy birthday, HBS. Harvard Business School at 100: Whither the MBA?

### **☑** Before listening:

- 1. What is the synonym for "lucrative"?
- 2. What does the word "endowment" mean?
- 3. What is INSEAD? Where is it situated?
- ✓ While listening: Answer the questions using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

HBS was officially founded in	_ (1). The
size of the faculty, staff and the student body	of HBS is
(2). The signature feature of	of HBS is
(3). HBS's most lucrative pro-	duct is its
(4). The size of HBS's endo	wment is

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(5). In case of MBA	program HBS uses the
strategy introduced by	(6). Their 2-year res-
idential course is targeted at people in _	(7).
To join their MBA programme, you no	eed(8)
of working experience.	(9) of students in the
world graduate with an MBA from HB	S every year.
Abranch of Insead is situated in	(10).

### **✓** After listening:

- 1. What institution in Russia is similar to HBS?
- 2. What do you know about Enron scandal?
- 3. What are the "Big four" companies?

Read this abstract and answer the questions. What's the mission of HBS? Should business schools serve society?

HBS was founded with the goal of turning management into a profession, complete with values that included a sense of service to society at large. Rakesh Khurana, an HBS professor, argues that now business schools increasingly teach narrow specialities, and have turned away from their broader sense of mission.

Mr Khurana argues that business schools should rediscover their historic purpose, as expressed in HBS's stated mission to «educate leaders who make a difference in the world.» Indeed, lately HBS has started to teach more about leadership, ethics and social responsibility, especially since the collapse of Enron. Jeffrey Skilling, the former boss of Enron, is one of HBS's star alumni.

# 14. Venture Capital. Is it better to choose the horse or the jockey?

### **☑** Before listening:

1. Match the words with their definitions:

IPO	"horse"
turnover	not damaged, complete
the business	issuing shares for the first time
the management team	the rate at which employees leave a
	workforce or are replaced
intact	"jockey"

#### 2 What firms do investors favour?

- a. having brilliant managers
- b. having brilliant business model? The former or the latter?

### ☑ While listening: Listen to the text and answer the questions using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Arthur Rock backed _		(1) company. The
new study analyzed		(2). Most com-
panies in the study below	ng to	(3) sec-
tor of business. The acad	emics studied	(4)
of company's activity		(5) companies made
acquisitions in areas ou	tside their c	ore activity during
this period. The percenta	ige of CEOs r	emained the same is
(6). O:	nly	(7) companies
strayed from early busine	ss plans	(8) of chief
executives were replaced b	y the firms' ov	wners over the period
of research.	_ (9) of senior	managers remained
the same during this time.	Investors bac	ked start-ups in mar-
kets of(1	0) potential.	

### **✓** After listening:

1. How do you understand this quotation: "When a management team with a reputation for brilliance backs a business with a reputation for bad economics,

X

it is the reputation of the business that remains intact" (Warren Buffett).

# 15. Branding land. Conservation marketers choose land over beast

### $\square$ 1) Before listening:

- 1. What conservation organizations do you know?
- 2. What kind of problems do conservation organizations face?
  - a. making a decision where to set up protected areas
  - b. which species to protect: familiar species or small unknown but also rare ones

# **☑** 2) While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

For years conservation organizations collected money by

1 of years conser	. valion organizations con	cetted money by
attracting attention	to the extinction of flags	hip species such
as giant pandas, tig	ers, mountain gorillas, Af	frican elephants
and	(1). But the money r	aised for tigers
can't be spent on se	omething else. That is wh	y other species
may die out because	they are neither cuddly no	or recognizable.
(2)	is trying to focus attentio	on on EDGE spe-
cies (evolutionary d	listinct and globally endar	ngered) species.
EDGE species look _	(3) to the huma	n eye. However,
they are often the la	ast representatives of	(4)
of animals.		
Two EDGE speci	es have made global news	recently. One of
them, the long-eare	ed jerboa is a	(5) noctur-
	s like a miniature	
other, the Yangtze	river dolphin is considered	l to be in danger
of	(7).	

Some researchers believe we	e should target the er	ntire areas
of land instead of individual s	species. Conservation	n Interna-
tional in Arlington, Virginia,	has its biodiversity	hotspots:
the tropical Andes,	(8) and Africa's	Cape flo-
ristic region. Branding flagship	p areas means the mo	ney raised
can be used to support a wide	range of	(9).
Conservation International has	s raised	(10)
to protect biodiversity hotspots	S.	

☑ 3) After listening: Do you think it is better to try conserve well-known species or it is more advisable to conserve the whole areas of land?

# 16. Every little helps. Green shopping without the hairshirt

### **☑** Before listening:

- 1. Do you agree with the quote: "Nobody made a greater mistake than he who did nothing because he could only do a little" (Edmund Burke from Good Energy).
- 2. What is renewable power? What types of renewable power do you know?
- 3. What is fair trade?
- 4. What is an NGO? Give examples of NGOs.

# While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Good Energy is a British renewable power provider which launched an online shop for energy-saving goods. One can order wind-up radios, energy-efficient \_\_\_\_\_\_ (1), wood-fired hot-tubs and the Wattson, a device that monitors

$18. Talk about that. We bsites that use the spoken word will {\it empower the illiterate}.$
that allowed users to see how
Payments for ecosystem services, i.e. natural processes usefut to man, such as
18. Talk about that. Websites that use the spoken word will empower the illiterate.
<ul> <li>☑ Before listening: <ol> <li>What operations can you perform surfing website operated by voice only? Give suggestions.</li> <li>☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:</li> <li>Guruduth Banavar, the director of IBM's India Research Laboratory and his colleagues have created a system that allows users to build and operate websites (1) only</li> </ol> </li> </ul>

The "spoken web" will be based on mobile phones. In the developing countries there are some successful banking and (2) that rely on mobile phones. The voice sites are designed for local use: people can find out such things as the next visit of the mobile hospital to their village, (3) in the local market and which wells should be used for irrigation. The user calls the website, then, with a combination of (4) and key presses he navigates through \_\_\_\_\_(5) and listens to subjects of interest. The user can add content to a voice site by (6) that's available to others. To build a site a user selects (7). A carpenter or autorickshaw can (8), receive and confirm offers of work and undertake basic commercial transactions through the site. Public-service sites might be tollfree and subsidized by \_\_\_\_\_ (9). Advertising might also provide (10). ✓ After listening: 1. Are voice-sites a good idea? Why/why not?

2. Should such calls be toll-free?

## 19. Testing metal. When thinking globally requires unpleasant action locally

### **☑** Before listening:

- 1. What is smelting of metal?
- 2. What eco-friendly ways of producing electricity do you know?
- 3. What is geothermal energy?

$\checkmark$	2) While listening. Complete the summary using NO
	$\mathbf{MORETHANTHREEWORDSORANUMBER}\ \mathrm{for\ each}$
	answer:

Last Thursday enviro	onmental activists o	of the organization
called(1) did a	number of things to	attract attention to
the aluminium smelting	in this country. Pow	er companies build
dams and drill wells for	geothermal plants	to(2)
for aluminium smelters.	There are now three	e aluminium smelt-
ers in Iceland and a four	th is	(3). Iceland is one
of the world's	(4) of aluminiu	m despite having a
population of no more th		
counts for	(6) of exports of the	country.
Iceland is situated of	on	(7). Due to the
construction of new sr	nelters electricity	consumption has
more than	_ (8) in recent yea	rs. Some Iceland-
ers believe that the cour	ntry has	(9) to use its
abundant clean energy f	or the benefit of the	Earth. Even if we
don't need more alumini	um, Iceland could ı	ise its green power
for other purposes. Now	there is talk of	(10)
in the country.		
✓ After listening:		

1. Should Iceland sacrifice its own landscape for the good of the planet? What are the pros and cons?

### 20. Mission: Trasmission. Harvesting the breeze is trickier than it sounds

### **☑** Before listening:

- 1. What does the acronym "BANANA" stand for?
- 2. What's the synonym and antonym for "rural"?
- **☑** While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

It is necessary for wind farms to have \_\_\_\_\_

X

· · · · · · · · · · · · · · · · · · ·			
other words, remote gen	nerators req	uire infra	structure to get
the power to population	centres		(2) leads Amer-
ica in wind power, most	of which co	mes from	(3)
and transmission infras	structure is	a priorit	y. In Maine, the
best wind is in	(4) o	f the state	e, far away from
Portland, Boston and P	rovidence.	Energy to	cansmission is a
problem in New York and	d California	a as well.	
High-tension aerial	l lines are	not	(5),
nobody wants to live	naar tham	Stanhan	Conant of the

### **✓** After listening:

- 1. What problems do wind farms encounter?
- 2. What other kinds of power except wind power do you know?

# 21. Can green be groovy? The pros and cons of an eco-friendly nightclub

### **☑** Before listening:

- 1. What energy-saving technologies can a night-club have?
- 2. What features can an *eco-friendly* night-club boast?
- 3. What is fair trade?

4	<b>TX7</b>	71	• -		T. T	$\alpha \alpha \alpha$	
4.	VV	nat	1S	an	IN	GO?	

# ☑ 2) While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Surya is	(1) in London	n that claims to be	``the
world's first ecologic	al club". Surya is	full of	(2).
It generates all its ]	power on-site thr	ough	(3).
There is a wind turb	ine and	(4). It has a pi	ezo-
electric dance floor	, which generate	es power thanks to	the
motion of the dance	ers. The club also	o boasts energy-sav	ving
measures and	(5). The l	high-tech windows	help
(6).	The paint is	(7). The wi	ne is
(8) and	I the beer is "bio".	,	
However, Surya i	s not unique. The	ere is a rival sustain	able
club in	(9). Mr Charala	mbous, the founde	r of
Surya, calls himself	(10)	).	

### **✓** After listening:

- 1. What is the speaker's attitude to the club:
  - a. skeptical
  - b. positive
  - c. indifferent
- 2. Do you agree that according to Dr Earth "Clubbing is the most energy-consumptive activity on the planet and engages in some shape virtually all the youth of the planet"?
- 3. What major ecological problems are listed in the piece?

# 22. Home again. Why videoconferencing won't save the world

**☑** Before listening:

X

- 1. What habits can we change to save the world from global warming?
- 2. Why do businessmen prefer to travel long-distances for negotiations? What things are missing if people talk by telephone or use video-conferencing?

# ✓ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

"Telepresence" is an improved form of video-conference	3-
ing marketed by(1), Cisco and var	i-
ous other IT firms. Their devices try to overcome th	
time lags, fuzzy pictures and other technical failings of	f
the previous technology generation. HP's system, calle	d
Halo, consists of one(2), placed on	)-
posite three huge plasma screens in a specially designe	d
studio. Callers in other studios appear on the screen	S
(3). All studios are designed wit	h
the same (4) and decoration. Then	·e
are no delays: sound and image(5	).
Users can make (6) with one anoth	1-
er. The technology allows natural conversation, with a	11
the interruptions, (7) and facial ex	ζ-
pressions.	
All of this requires clever gadgetry and(8	3)
and is expensive. HP's fully-equipped studios cos	$\mathfrak{st}$
(9) apiece to install, and more to run. Noneth	∍-
less, Halo's are hard to calculate.	
✓ After listening:	
1. Why won't video conferencing replace business trav	J-
el? What are the situations when real presence is neessary?	3-

2. What advantages does video conferencing bring together with environmental benefits?

# 23. Sleeping with the fishes. High time to save the Mediterranean bluefin

 $\square$  1) Before listening:

1. Why should tuna fishing in the Mediter stopped?	rranean be
☑ While listening: Complete the summary using MORE THAN THREE WORDS OR A NUMB each answer:	_
Tuna is a pelagic species, i.e. it lives	(1). Each
year the International Commission for the Conserva	ation of At-
antic Tunas (ICCAT) allocates large bluefin	(2).
However, they are massively exceeded because ther	e are no ef-
fective real-time(3). 61,000 tonnes of	f tuna were
caught in the Mediterranean in 2007 —	(4)
the legal quota. WWF calls bluefin-fishing in the	
nean(5).	
Moreover, in the last decade there has been ar	n explosion
of "tuna ranching" in many European nations. Tun	ia became a
form of aquaculture. They don't(6), a	and no fish
are added to (7). As aquaculture the	ey can even
qualify for(8). The Mediterranean b	
the brink of collapse. At the World Conservation (	
Barcelona Spain and Japan supported the closure o	f the Medi-
terranean tuna fishery until(9).	They also
packed (10) in the main breeding g	
✓ After listening:	

1. What problems do fish conservationists encounter?

×

- 2. What nations are the most notorious rule-breakers in tuna fishing?
- 3. Why is so-called "tuna ranching" not the right answer to the tuna collapse?

# 24. Box clever. Some wine can improve if stored in a carton rather than in a bottle

- **☑** Before listening:
  - 1. What are cartons made of?
- ☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Nothing can compare with wine in a glass bottle sealed with a cork stopper. But nowadays cheap alternatives to cork have (1) have made transportbecome available and ing glass more expensive, that is why some winemakers have adopted an alternative (2): they put wine in cartons made from layers of polythene, paper and aluminium foil. However, it is not very aesthetic and flavour-destroying oxygen seeps in. High levels of chemicals called alkyl-methoxypyrazines can make wines taste as though the fruit from which they were made was under-ripe or cent research has shown that the chemicals appear because of Asian lady beetles that eat grapes and can accidentally get mixed into (4). Packaging plays a role in controlling (5) and taste by absorbing some volatile compounds.

The researchers added three types of alkyl-methoxypyrazines to red and white wines, some of which were stored in cartons, and others in bottles to investigate the impact of packaging on the concentration of chemicals in wines. Natural cork, synthetic cork and screw caps were used to

			لنقا
(6). T	e researchers	then moni	tored
(7) in	the wines for	18 month	s. At
the end of the study the leve	s of the differ	ent types	of al-
kyl-methoxypyrazines had fa	llen consideral	bly in the v	wines
stored in cartons. In wines s	tored in bottle	es, the leve	els of
chemicals did not fall as mu	ch. The resul	ts were si	milar
for (8) of §	rape. Thus ca	artons cou	ld be
(9) for storing	wines that ar	e inclined	to be
high in chemicals but will b	e drunk relati	vely soon	after
purchase. For grand wines,	lowever, bottl	es with na	tural
corks are likely to remain	(	10).	

### **✓** After listening:

- 1. What are the pros and cons of storing wine in cartons?
- 2. Why does the wine stored in cartons have low levels of alkyl-methoxypyrazimes and better flavour?

# 25. Why does Berkeley have so many Priuses? The geography of green consumerism

### **☑** Before listening:

- 1. What can be done to save energy?
- 2. What is green consumerism? What examples of it can you name?
- 3. What is a Prius? What other hybrid vehicles do you know?
- ☑ 2) While listening: Complete the summary using NO MORE THAN TWO WORDS OR A NUMBER for each answer:

	Bu	ying	gre	en	is	popular	no	w,	almos	st	every	da	У	a
nev	W _						(1)	pr	oduct	a	ppears	. Т	'hi	is
we	ek	it's	the						(2)	) (	car-wa	sh,	a	n

26. Conser	vationists ought to try hashing out which is the least ba	id bushment
	(3) computer monitor and	
gradable dis	sh-rack. The question is who is the lar	gest buy-
er? Althoug	h there are tangible financial benefits,	very few
people insta	ll energy-efficient	(4) or
don't leave t	he TV on standby.	
Matthew	Kahn and Ryan Vaughn, the economic	sts of the
University o	of California at Los Angeles, noticed th	at Berke-
ley, Californ	ia, has a lot of Priuses,	(5),
	(6) and public transport	. Messrs
Kahn and Va	aughn built a database of every certif	ied green
building. Th	ney looked at where (7)	were reg-
istered and	sorted the locations by zip codes. T	hey ana-
lyzed such fa	actors as (8), in	come and
	(9) to find out in what parts of (	
people are gro	eener. Green communities attract "green	business-
es" such as to	ofu restaurants and	(10).
✓ After	listening:	
	w do you understand the saying "to kee	p up with
	Joneses?" Why is it important for some	
	stew. Conservationists ough ut which is the least bad bushmo	•
☑ Before	e listening:	
1. Wh	at kinds of <i>game</i> (wild animals) do you l	know?
	nat are the known examples of man hur	
	s to extermination?	
3. Wh	at are the examples of predators and pro	ey?
	listening: Complete the summary using N	-
	THREE WORDS OR A NUMBER for each	
It is comm	non in conservation circles to speak of a "	bushmeat
	nich African, Asian and(1)	
•		-

ing some species of game to extinction	. In many cases, hunt-
ing is a bigger threat to jungle animals t	than(2).
Unsustainable hunting is a problem	
mals concerned but for(	(3) in which they live.
If the hunted animals are predators, t	
(4), putting a great stra	ain on the smaller ani-
mals or plants that feed the prey. Plants	s can also be affected if
the depleted game are pollinators, sucl	h as(5),
or dispersers of seeds, such as monkeys	
Simply banning the hunting of	f wild animals and
(6) is no use if you do n	not have the money or
(7) to enforce the bar	n. Furthermore, many
people depend on bushmeat for food an	nd commercial hunters
for(8). That is why cons	servationists suggest a
different tactic: to allow the hunting of	
Γhis strategy depends on knowing whic	ch species are common
and which are rare, how quickly they	/(10),
what their migration patterns are, etc.	
After lightening	

### ✓ After listening:

- 1. Why is it difficult to determine the abundance of any living animal?
- 2. Do you agree with the saying "the best must not be the enemy of the good"? How can one follow this principle in hunting wildlife?
- 3. What is the synonym for the verb "proliferate"?

# 27. Invasion of the holiday-snatchers. Swimming with the jellyfish this summer

### **☑** Before listening:

- 1. What do you know about jellyfish?
- 2. Did you have positive or negative experience of swimming with jellyfish?

X

### ☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Spectacular blooms of jellyfish have been reported in Japan, Namibia, \_\_\_\_\_(1), Venezuela, Peru and Australia. Since 2000, \_\_\_\_\_(2) has been suffering from an invasion of monster Australian spotted jellyfish, which are spoiling (3) and upsetting the shrimpers. The expansion of aquaculture means more disasters like last year's destruction of 100,000 (4) in Ireland by jellyfish. The Namibian coast used to be very productive in fish and now it is dominated by jellyfish. The same situation is in the Middle East, South Pacific, the Gulf of Mexico and \_\_\_\_\_(5). Many species of jellyfish spend their early life as a polyp (like an anemone or coral) \_\_\_\_\_\_(6). Overfishing may cause blooms: some fish eat baby jellyfish, and some, like (7), compete with jellyfish for the same zooplankton food. Dumping excess nutrients from chemical fertilizers creates (8), which are hostile to all marine life except certain species of jellyfish. (9) are also favourable to jellyfish. Scientists are developing a process to extract commercially valuable biomaterial from jellyfish to use it in foods and (10).

### **✓** After listening:

- 1. Why are jellyfish dangerous?
- 2. What should be done about jellyfish bloom? What solution seems the best?

# 28. Let them eat bugs. A new, abundant and environmentally friendly source of protein is creating some buzz

✓ Before	listening:
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1	In	what	countries	do	people	e eat.	insects?
1.	TIT	WILLU	COULITIES	ao	PCOPI	cau	111000000

2. Why is it good for the environment if people prefer eating insects to meat?

# ☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

The World Bank estimates that the soaring cost of food will

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push	_(1) into poverty	. Scientists	at the National
Autonomous Uni	versity of Mexico	have an ans	wer: entomoph-
agy, or	(2). Bugs pro	ovide more _	(3)
	Meat provides un		
	hird of		
As	(6) become richer,	meat's ecol	ogical footprint
gets bigger. The	Food and Agricul	ture Organi:	zation (FAO) at
the United Natio	ns predicts that th	ne world's de	emand for meat
will mostly doubl	e by	_(7).	
Eating insect	s could help		(8). However,
there are some p	roblems. For one	thing,	(9)
vary with the seas	son, and it's hard	to control th	e amount on of-
fer at any given ti	me. Another prob	lem is that pe	ersuading west-
erners to eat inse	ects is going to be	tricky. Sup	oplements com-
nosed of insect na	cotein could be add	ded to	(10)

### **✓** After listening:

and perhaps to animal feed.

- 1. What is meat's ecological footprint?
- 2. What are the environmental benefits of eating insects?
- 3. What are the pros of rearing crickets?

# 29. Sharing the same dream. Paying for the Caribbean diversity

### **☑** Before listening:

1. What species do we call endemic?

I	X
- 1	

# ☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

The Caribbean is	one of the world's hotspots i	n biodiversity,
with around	(1) found nowhere else i	in the world. In
	(2) tends to drive ext	
	ty is threatened most by	
ruining the native v	regetation and eating local a	animals. Rats,
cats, dogs, goats,	(4), monkeys	and even trout
are a serious threat	to native fauna. Anguilla	is struggling
with an invasion of	(5). Eradic	ating invasive
species is	(6), difficult and som	etimes impos-
sible. The small Indi	ian mongoose was imported	to Jamaica in
(7) to k	ceep rats out of sugar-cane fie	elds. This mon-
goose was later linke	d to the extinction of five en	idemic species.
Protecting the biodive	ersity of islands, either by	(8)
invasive species or pr	reventing (9) :	is an expensive
	rth doing. Visitors, developer	
should pay some kind	of explicit(1	0).

### **✓** After listening:

- 1. Why should invasive species be eradicated on the islands?
- 2. Do you agree that tourists should pay environmental charges when they visit islands?
- 3. What is the purpose of environmental charges?
- 4. How much do you pay to enter a national park on the Galapagos islands?

# 30. Mild and bitter. Depression may be linked to how willing someone is to give up his goals

### **☑** Before listening:

1. What are the symptoms of depression?

# ✓ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

Randolph Nesse, a psychologist and researcher at the	Univer-
sity of Michigan, compares the relationship between mild	and clin-
ical depression to the one between normal and	(1)
pain. He sees both pain and low mood as	
Dr Nesse argues that as pain stops you doing da	
(3) things, so low mood stops you doing d	amaging
mental things: in particular pursuing(	(4) goals.
Pursuing these goals is a waste of energy and	(5).
Carsten Wrosh from Concordia University in Mont	
Gregory Miller of the University of British Columbia stu	ıdied de-
pression in(6). They measured the "goa	l adjust-
ment capacities" of $97$ girls aged $15-19$ during	(7).
Their conclusion was that those who suffered from mile	d depres-
sion could disengage more easily from unattainable goa	als. Mild
depression symptoms can therefore be seen as a natura	l part of
(8) in young adulthood. These sympton	ms set in
when a goal is identified as unreachable and lead to a d	ecline in
(9). Dr Nesse believes that persistence is	a reason
for the exceptional level of clinical depression in America	ca — the
country that has the highest(10) in th	ie world.

### **✓** After listening:

1. Do you agree that persistence in reaching goals can have a negative impact on health?

# 31. Slippery when wet. Kenya plants sugarcane; America uproots it

### **☑** Before listening:

1. What can Florida and Kenya have in common?

# X

# ☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:

The governor of Florida announced the purchase of almost (1) of land in the middle of the Everglades from a sugar producer. The government of Kenya said it plans to do the opposite: 80 square miles of the Tana river delta will be given to a private company that will grow sugarcane to be turned into \_\_\_\_\_ (2). The Tana delta is a mix of savannah, mangrove swamps, \_\_\_\_\_ (3). Like the Everglades, this wetland area has unique wildlife: there are lions, hippos, (4), primates, rare sharks and (5), as well as thousands of farmers and fishermen. Since 1900, the world has lost about half of its wetlands. Wetlands are rich in biodiversity, they also play vital roles in (6), water storage or water filtration. The wetlands that Florida plans to preserve will not only provide a natural buffer against (7), they will also help provide fresh water. The Mumias Sugar company in Kenya says (8) will be limited and income will reach 1.25 m over 20 years. But two environmental NGOs estimate revenue from fishing, farming and tourism will provide (9) over the same period. They worry about pollution and heavy drainage of the delta. US Sugar's activity in the Everglades shows that planting sugar in wetlands causes huge fresh-water loss. \_\_\_\_\_ (10) may have a wide impact on everything from wildlife to fisheries.

### 

1. What should the Kenyan government do in the face of fierce opposition from wildlife NGOs? Which of the three options given in the piece seems the best?

2. What are the advantages and disadvantages of developing the Tana river delta in Kenya?

# 32. The problem with breathing. The unintended consequences of zeal

☑ Before listening:
1. What factors are enhancing global warming?
☑ While listening: Complete the summary using NO MORE THAN THREE WORDS OR A NUMBER for each answer:
A report from the Food and Agriculture Organisa-
tion (FAO), a branch of(1), states that live-
stock emit more(2) than planes, trains or
automobiles. Send a Cow,(3) that donates
cattle to poor African families, had to put out a press release
denying that its activity was causing climate change. Send a
Cow's cattle seem to be helping to(4) be-
cause their owners are trained to feed them a less gas-inducing
diet(5) that form part of this diet come from
trees planted specially for the purpose $-100$ of them for each
cow. So unlike the ranchers of Brazil, who(6)
to allow cattle to graze, Send a Cow's herders are helping to
trap carbon.
Agribusinesses in poor countries are facing a bigger
hurdle than Send a Cow, since it is hard to argue that flying
(7) from Africa to Europe does not add to
the world's stock of greenhouse gases. Almost all human ac-
tivity entails some(8). One might argue that
Send a Cow should simply encourage(9).
But Send a Cow recognizes that there are worthy causes be-
yond slowing climate change, such as (10).
, , ,

### **✓** After listening:

- 1. Do you agree that Send a Cow should stop sending cows to poor African families and encourage the planting of trees instead?
- 2. What can we do to decrease greenhouse emissions?
- 3. Do you agree that each country should be allocated emissions-rights according to the size of their population?

### **KEYS:**

# More light than heat. Key:

### **✓** Before:

- 1. solar, wind, geothermal, tidal
- 2. hold up

#### $\square$ While:

- energy firms
- one-third
- (3) weather stations
- security of supply
- wind turbines
- (6) reduce emissions
- (7) unit costs
- (8) silicon
- (9) to alarm
- (10) under construction

### ✓ After:

1. in isolated places such as weather stations and oilrigs, later on lonely farms and houses far from the grid.

2. so many firms rushed to install solar panels that the world ran out of the type of silicon used to make them. The price of silicon and solar panels rose.

## Remote diagnosis. Key:

### **✓** Before:

- 1. 1) b
  - 2) c
  - 3) d
  - 4) a
- 2. The capital of Kenya is Nairobi.

### **While**:

- (1) outbreak
- health ministry
- surface temperatures
- half a degree
- consequence
- on the ground
- vegetation cover
- suburban
- ponds and puddles
- (10) mud content

### ✓ After:

- 1. Sleeping sickness is a parasitic disease which occurs in two stages. The first stage is characterized by fever, headaches, joint pains and itching. The second stage begins when the parasite invades the central nervous system. The symptoms include confusion and night-time insomnia. Without treatment, the disease is invariably fatal.
- 2. Rift valley fever is spread by the bite of infected mosquitoes.

3. temperatures, precipitation, vegetation cover, CO2 level, etc.

## Trading licks. Key:

### **✓** Before:

1. TV, radio, magazines, newspapers, internet, billboards, direct mail

#### **While:**

- (1) edible films
- (2) toothpaste
- (3) direct-mail campaigns
- (4) cigarette-flavoured strip
- (5) sales promotions
- (6) a flavour sample
- a taste drive
- (8) a broader readership
- (9) scented ads
- (10) rise of the Internet

# A link between wealth and breeding. Key:

### Before:

- 1. one and a half
- 2. birth control, increasing cost of raising children, social security system instead of the support of children in old age

### **While:**

- (1) fertility
- (2) life expectancy
- (3) retired individuals
- (4) the demographic transition
- (5) average income per person

- (6) zero
- social-security system
- female-friendly
- unstable environments
- (10) care and attention

# The future is another country. Key:

### **✓** Before:

- 1. poor teaching and lack of places at home (in the developing world), desire to find a good job in a multinational company
- 2. Language test (TOEFL or IELTS) transcript of your marks
- 3. easier to get a well-paid job back home, gain proficiency in a foreign language, etc
- 4. DAD (Germany), Fullbright, Muskie (USA), Chevening scholarship (Britain), etc

### **While:**

- 3 million
- (2) the global corporation
- (3) the poor teaching
- a fifth (4)
- (5) no
- $50^{\mathrm{th}}$ (6)
- coal
- for residence
- a brain drain
- (10) scholars

# Win-win. Save the world and become a millionaire. Key:

### **While:**

(1) \$25,000

- spaceflight (2)
- education
- affordable
- (5) cost-effective
- (6) (radical) new solutions
- (7) greenhouse gases
- (8) marine renewable energy
- (9) the Freedom Prize
- (10) space glove

### ✓ After:

1. the glamour and prestige of winning also inspire dedication.

## 7. A is for Earth. Carbon dioxide. Key:

### **✓** Before:

Virgin Group was founded by business tycoon Richard Branson. Virgin brands are: Virgin Mobile, Virgin Radio, Virgin Cola, Virgin Trains, Virgin Atlantic Airways, Virgin Galactic (is a venture to market and operate commercial spaceflights).

White Knight Two. On March 22, 2010 the VSS Enterprise completed its maiden "captive carry" voyage of 2 hours and 54 minutes, ascending to an altitude of 45,000 feet (13716 meters). The launch customer of White Knight Two is Virgin Galactic, which will have the first two units, and exclusive rights to the craft for the first few years.

### **While:**

- (1) 280
- the geographic distribution
- (3) the oceans
- ground stations
- (5) global map

- (6) mission
- greenhouse gas
- water vapour
- airline flights
- (10) **50,000** feet

### ✓ After:

1. to reliably forecast changes in earth's climate

# Extending lifespan. Key:

### While:

- (1) ageing
- (2) caloric restriction
- (3) life-prolonging
- 76 monkeys
- controls
- heart disease
- age-related conditions
- injury
- a course of action
- (10) 38 %

### ✓ After:

- 1. primates live very long
- 2. to suppress the immune system

# 9. On the mark. Ecological labelling takes off. Key:

### **✓** Before:

- 1. management, control
- 2. Unilever brands: Lipton, Rexona, Sunsilk, Dove, Axe, Knorr, Brooke Bond, Calve, Domestos, Timotei, Persil.

3. Sainsbury's is the third largest chain of supermarkets in the UK, Tesco is the UK's largest supermarket chain. (Second largest is Asda). Wal-Mart is an American chain of department stores.

### While:

- (1) brand recognition
- successful
- sustainable
- seafood
- (5) three-quarters
- (6) frozen-food business
- (7) **1,123** products
- wholesale buyers
- edible
- (10) within five years

## 10. Having a laugh. Key:

### **✓** Before:

- 1. humour
- 2. Big Four (audit firms): PricewaterhouseCoopers, Ernst & Young, Deloitte Touche, KPMG

### **While:**

- (1) 142
- (2) the Office
- smile at strangers
- (4) a competitive advantage
- (5) communication and morale
- (6) lowers employee turnover
- free food
- barbecue packs
- (9) mockery
- (10) Time and Place rule

# 11. The recession spurs self-service. Key:

### **✓** Before:

1. a.d.e

### **While:**

- outsourcing
- speech recognition technology
- (3) young
- customer loyalty
- (5) 85%
- kiosks
- cost
- 10 cents
- extra convenience
- (10) near-field communication chips

## 12. Prediction Markets. Key:

- annual sales
- virtual trading accounts
- trade
- knowledge
- forecasting techniques
- modest prizes
- for cash
- an exceptional motivator
- lose interest
- (10) non-experts

# 13. Harvard Business School. Key:

### **✓** Before:

- 1. profitable
- 2. the source of income with which an institution, etc., is endowed (provided with a source of permanent income)

3. INSEAD is a multi-campus international graduate business school and research institution. INSEAD was founded in 1957 as «Institut Europ en d'Administration des Affaires» (European Institute for Business Administration. The original campus (Europe Campus) is located in Fontainebleau, near Paris, France

### **✓** While:

- (1) April 8 1908
- 3,000 (souls)
- case method
- MBA (4)
- (5) \$2.8 billion
- (6) Henry Ford
- (in) late twenties
- three to five years
- (9) 1%
- (10) in Singapore

### ✓ After:

- 1. Skolkovo
- 2. The Enron scandal, revealed in October 2001, eventually led to the bankruptcy of the Enron Corporation, an American energy company based in Houston, Texas, and the dissolution of Arthur Andersen, which was one of the five largest audit and accountancy partnerships in the world. In addition to being the largest bankruptcy reorganization in American history at that time, Enron undoubtedly is the biggest audit failure.
- 3. Big four: PricewaterhouseCoopers, Deloitte Touche, Ernst & Young, KPMG.

# 14. Venture capital. Key:

### **✓** Before:

- 1. c
- 2 d
- 3. a
- 5. b

### **✓** While:

- Apple (computer)
- 50 firms
- biotech
- 6 vears
- none of them
- 44 % (6)
- a handful
- (8) half
- a quarter
- (10) explosive growth

# 15. Branding Land. Key:

- (1) blue whales
- The Zoological Society of London
- weird (3)
- the entire group
- Mongolian
- kangaroo
- extinction
- the Brazilian Atlantic forests
- conservation projects
- (10) \$750 million

# 16. Every little helps. Key:

- (1) light-bulbs
- (2) household energy use

- (3) Holmes
- cvber-stores
- recycled materials
- old belts
- recycled rubber
- old computers
- the disabled
- (10) the homeless

## 17. The Conservation Olympics. Key:

- (1) the World Conservation Congress
- 8,000/eight thousand people
- (3) 800
- side meetings
- driving simulator
- fuel-efficient
- biodiversity
- the Earth Summit
- deforestation
- (10) the purification of water

## 18. Talk about that. Key:

- (1) by voice
- money-transfer services
- the price of rice
- (4) voice commands
- (5) a spoken list of topics
- (6) recording a comment
- (7) a suitable template
- advertise his services
- governments
- (10) revenue

# 19. Testing Metal. Key

- Saving Iceland
- provide power
- under construction
- top ten producers
- 300,000
- $37\,\%$ (6)
- volcanic ridge
- doubled
- moral obligation
- (10) locating data centres

## 20. Mission: Trasmission. Key:

- transmission
- Texas
- remote Western plains
- Northern and central parts
- glamorous
- an undersea cable
- \$500,000
- \$20 m (8)
- (9) steel
- (10) the users

## 21. Can green be groovy? Key:

- (1) a new disco
- green features
- renewable technologies
- solar panels
- recycled materials
- to retain heat
- chemical-free

- (8) organic
- (9) Rotterdam
- (10) Dr Earth

#### ✓ After:

- 1. (b)
- 3. third-world poverty, rich-world obesity, biodiversity loss, climate change and the use of chemicals in winemaking

## 22. Home again. Videoconferencing. Key:

- (1) Hewlett-Packard
- (2) half of a conference table
- (3) in life-size
- (4) furniture
- are (perfectly) synchronized
- (6) eye-contact
- (7) gestures
- (8) huge computing power
- (9) \$ 350,000
- (10) environmental benefits

### ✓ After:

- 1. Video conferencing can never supplant (replace) a visit to the factory floor or a night at a restaurant buttering up clients.
- 2. improvement in the quality of life of jet-lagged road warriors.

# 23. Sleeping with the fishes. Key:

- (1) in the open waters
- (2) quotas
- (3) monitoring mechanisms
- (4) twice

- unsustainable
- breed
- the wild population
- European subsidies
- stocks rise
- (10) establishing protected areas

# 24. Box clever. Some wine can improve if stored in a carton. Key:

- (1) high fuel prices
- method of storage
- low-quality
- the wine-making process
- wine chemistry
- seal the bottles
- chemical levels
- both types
- (9) ideal
- (10) the packaging of choice

### ✓ After:

- 1. pros: cartons are good for storing wines that are inclined to be high in alkyl-methoxypyrazines but will be drunk relatively soon after purchase (oxidation won't be a problem)
  - cons: wine loses the aesthetic appeal; oxygen seeps in during storage and destroys flavour

# 25. Why does Berkeley have so many Priuses? Key:

- (1) environmentally responsible
- (2) waterless



- energy-saving (3)
- light-bulbs
- organic food
- solar panels
- hybrid vehicles
- (8) age
- ethnicity
- (10) bike shops

## 26. In a stew. Bushmeat. Key:

### **✓** Before:

- 1. venison, etc.
- 2. dodo, passenger pigeon, bison

### While:

- (1) Latin American hunters
- deforestation
- (3) (the) ecosystems
- proliferate
- (5) fruit bats
- (6) the trade in bushmeat
- manpower
- (8) their livelihood
- (9) less vulnerable species
- (10) reproduce

### ✓ After:

- 1. different surveying methods employed
- 2. If people are going to hunt, they might as well hunt the species that are least at risk.
- 3. "to grow or reproduce rapidly"

# 27. Invasion of the holiday-snatchers. Key:

- (1) Alaska
- the Gulf of Mexico
- (3) fishing nets
- organically farmed salmon
- (5) the Mediterranean
- on the ocean floor
- herring
- dead zones
- rising ocean temperatures
- (10) medicines

## 28. Let them eat bugs. Key:

- (1) **100** m people
- dining on insects
- (3) nutrients
- one fifth
- (5) the protein
- developing countries
- 2050
- (to) protect crops
- insect populations
- (10) processed food

### ✓ After:

1. feed crops take 70 % of agricultural land, a quarter of the world's land is devoted to grazing. Livestock industry is responsible for deforestation in the Amazon.

## 29. Sharing the same dream. Key:

- (1) 7,000 plants
- loss of habitat
- non-native species
- (4) donkeys
- giant African snails
- (6) costly
- (7) 1872
- eradicating
- (9) their arrival
- (10) environmental charges

### ✓ After:

- 1. They are a threat to native fauna
- 3. To raise revenue and awareness of environmental issues of island life

# 30. 30. Mild and bitter. Depression. Key:

- (1) chronic
- warning mechanisms
- physical
- unreachable
- (5) resources
- (6) teenage girls
- (7) **19** months
- dealing with failure
- motivation
- (10) depression rate

# 31. Slippery when wet. Key:

### **▼** Before:

1. both places have a suitable climate for growing sugarcane

### **While:**

- 300 square miles
- biofuel
- forest and beaches
- reptiles
- 345 bird species
- flood protection
- hurricanes
- environmental damage
- (9) £30 million
- (10) agricultural pollution

### ✓ After:

1. a) It should commission an independent international company to do an environmental-impact assessment and a full economic valuation. b) If leaving the area intact provides more financial benefit, the government should offer conservationists to purchase the land themselves. c) The government should make the sugar company pay the true cost of the water resources, the loss of grazing land and any pollution it creates.

## 32. The problem with breathing. Key:

- (1) the United Nations
- greenhouse gas
- a British charity
- reduce global warming
- the leaves
- clear forests
- flowers and strawberries
- emissions
- planting (of) trees
- (10) fighting poverty

### Ольга Борисовна Тамбовцева

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OOO «Национальный книжный центр» 143003, Московская область, г. Одинцово, ул. Северная, д. 62 «А» www.nbcmedia.ru nbcmedia@mail.ru

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