## Exe 1

1. The tribal park covers hectares.
2. The home has a and someone to play it.
3. The house will have paid its environmental debt within .
4. The leaves are boiled and used to treat\_\_\_\_\_\_.
5. Over the centuries, building became more practical as well as .

6 In order to register for your library card, you need to bring your .

7 They have to return to the ocean to get a breath.

1. The water park is situated in the area of the town.
2. Architecture aims to provide safe and healthy environment for people to live and .

10 Float dropped into ocean and by satellite.

## Exe 2

1 The sanctuary has an area of approximately square kilometers.

2 Students need a front door key between and .

3 One larger room is in the floor 4 Rags are made from .

1. The shortest duration of rent is
2. \_\_\_\_\_\_\_should be well arranged for trash.
3. 7 The rent is paid by cash or cheque on a basis.

8 If staff forget their PIN, they should speak to the \_\_\_\_\_ .

9 You should avoid or tracing rock art as it is so fragile.

10 In general, your aim is to leave the site

#### Exe 3

1. Strip paints and plaster approximately one in advance.

2 They were used to help learn about tracking.

1. Sharks eat approx. of body weight daily.
2. Scientists have attached very small cameras to birds’
3. 5 choice of \_\_\_\_of building (wood, steel, concrete, masonry).
4. It can emit much\_\_\_\_\_\_
5. The Chinese improved the quality of ceramics by mixing with clay.

8 Extra benefits: extra pay when you work on

Transport you home when you work

9 Designers need to think and combine the historical and influence.

10 Just of top jobs are women in large US companies.

1. Women are weaker in three subjects: math, science and
2. In cosmetics: protect skin against the and improve the ability against aging
3. Opening hour in winter:

14 the family ticket price:

15 The Harvey Clinic is especially good with .

Exe 4

* + Maximum group size
  + Computers can be booked up to hours in advance
  + Bookings must be made no later than days in advance.
  + In total, the students must interview people.
  + Gather data from at least subjects
  + Fines start at
  + The earliest month child can join is \_\_\_\_\_
  + upper limit \_\_\_\_\_\_\_
  + Number of items allowed: (members of public)
  + Intended length of stay:
  + preferred moving date
  + Number of years planned
  + Estimated number of people \_\_\_\_
  + Present course
  + Current ticket price
  + Next tour date
  + There has been a recent improvement to \_\_\_

## Exe 5

on second thoughts Wait a minute. But rather than although Sorry, that was cancelled. In fact / Actually... I know… even if We were planning to... You might think that... However I had expected that … apart from I wanted to … unlike instead of

Hang on, let me check it out. despite the fact that …

|  |  |
| --- | --- |
| 后有陷阱 | 后有答案 |
|  |  |



#### 一级方位词

* **Get to, reach, cross, carry on, turn left, miss**
* **Go along/ go straight / go forth into A Road**
* **Go past**
* **take the second turning on your left**
* **below, above, under, over, pass ，through, beyond, between A and B**
* **Top/ peak/ summit /highest point**
* **Bottom/ base/ lowest point / foot**
* **Close to / nearby / next to /not far from**
* **Far away from / at the far end of A Street**
* **in the centre/ central/ middle**
* **In the top left hand corner**
* **On one side… on the other side**
* **On the corner of A and B Street**
* **On the higher right hand corner**
* **Circle, circular, half circle, round, rectangle, rectangular，**
* **triangle, triangular, square, row，diamond，pyramid, oval**
* **Across from A / across the road from A = on the opposite side to = facing A Street =directly opposite**
* **parallel to**
* **the first from the left**

**二级方位词**

* **wing，basement ， corridor， aisle ，wheel chair access ，rear door**
* **underpass， pavement / sidewalk/ footpath / pedestrian lane， pedestrian crossing**
* **a block （complex）away, cut across,**
* **in a clockwise/ counter-clockwise direction**

Exe 6 *academic discussion*

A Essays should describe problems **fully and honest**.

Not **cover**ing the topics / too **ambitious**

B There is a standard **format** / bad **structure**

#### C Statistics / quote heavily

D **spelling mistakes**

1. critical thinking /note-taking
2. outline/subheadings / subtopics/ using header and footer
3. proofreading
4. discuss both sides / a range of views / a wide reading

Exe 7

1

voice / repetition / stuttering

2

You have to bring your passport. You’d better inform section manager.

3

e.g. The only way to open the front door is to use your staff card.

4 Especially, obviously, apparently .

5

It is ... that you book in advance.

e.g. important/ of great importance

* 1 People set up in order to preserve biodiversity.
* 2 Children should be kept away from .
* 3 In my opinion, are significant to a nation.
* 4 I recommend

in terms of financial problems.

* 5 You had better alter your to improve your assignment.
* 6 Those who can't study regularly should report to .

#### Exe 8

1. At the beginning of the century, for the majority of working people in East London were very basic indeed.
2. \_\_\_ from military tests are linked to some recent strandings
3. If we consider gender issues, we're asking whether men and women have different

towards saving money.

1. These buildings become a huge challenge to who are reimproving the area.
2. Some sessions went on too long.
3. Women think about their financial future when occurs. 7 Antarctica is more than as big as the UK.
4. Economic cost can make large for company.
5. There are changes in the ice-cap because of effects on sea levels and 10 Trains for London depart every each day during the week.

11 A large part of the lions' consists of animals belonging to local farmers.

1. remove the graffiti and \_\_\_\_\_\_\_\_\_\_
2. The man says these articles look like\_\_\_\_\_\_ rather than essays.

#### Exe 9

1. **The maximum number of the people in the walk will be**

A.220 B.250 C.280

1. **The tutor thinks Sandra's proposal** A should be re-ordered in some parts B needs a contents page

C ought to include more information

1. **During the first week, students are invited to** A be shown around the library by the librarian B listen to descriptions of library resources

C do an intensive course in the computer center.

#### Badges can be obtained

1. only when they have been ordered before the walk
2. immediately have completed the walk
3. one week after the walk has finished

#### The library is acquiring more CDs as a resource because

A they are a cheap source of information B they take up very little space

C they are more up to date than the reference books

#### With regards to their English, the speaker advises the students to

A tell their lecturers if they have problems understanding B have private English lessons when they arrive

C practice their spoken English before they arrive

#### when are the experimental areas closed?

A all the year round B almost all the year

C a short time every year

#### What days are the most popular for this dance studio?

A weekends B weekday evenings C Monday to Friday

#### The Sound of Birds are open

A Mondays and Tuesdays B Thursdays and Fridays C Saturdays and Sundays

**10 The ‘Learning Skills for University Study’ course takes place on**

A Monday, Wednesday and Friday.

B Monday, Tuesday and Wednesday.

C Monday, Thursday and Friday.

## Exe 10

#### 1 In order to set up her research programme, Shona got

A advice from personal friends in other countries B help from students in other countries

C information from her tutor’s contacts in other countries **2** **What change occurred in the manufacture of glutamate in 1956?**

A It began to be manufactured on a large scale

B the Japanese began extracting it from natural sources

C It became much more expensive to produce.

#### what point is made about Australian bees?

1. Their honey varies in quality.
2. Their size stops them from pollinating some flowers. C They are sold to customers abroad

#### Grant Freeman says that if Asian honey bees got into Australia,

A the country’s economy would be affected B they could be used in the study of allergies C certain areas of agriculture would benefit.

#### An expert’s knowledge about a business system may be incomplete because

A some details are difficult for workers to explain B workers choose not to mention certain details. C details are sometimes altered by workers.

#### What does Spiros think of his reading skills? Cam9T1s3

1. He reads faster than he used to
2. It still takes him a long time to read
3. He tends to struggle with new vocabulary.
4. **What led the group to choose their topic? C9T4 31** A They were concerned about the decline of one species B They were interested in the effects of city growth.

C They wanted to investigate a recent phenomenon.

#### The group made their observations in gardens C9T434

A which had a large number of animal species B which they considered to be representative C which had stable populations of rare animals **9 The university accommodation officer will**

1. send a list of agents for students to contact
2. contact accommodation agencies for students
3. ensure that students have suitable accommodation **10 What problem did the charity face in August 2000?** A It couldn’t meet its overheads.
4. It had to delay sending the bikes.
5. It was criticized in the British Media.

**Exe 11** *Cambridge 8 T 2S4*

A give false data

B decided to stop participating

C refused to tell Shona about their job

D kept changing mind about participating E became very angry with Shona

F was worried about confidentiality

1. a person interviewed in the street
2. an undergraduate at the university
3. a colleague in her department
4. a tutor in a foreign country

*Cambridge5 T4S3*

A its workers are motivated B it has too little investment

1. it will overcome its problems
2. its marketing campaign needs improvement E it is old-fashioned

F it has strong managers

1. Karin
2. Jason
3. the tutor

## Exe 12

### advantage disadvantage important dangerous

threatening positive side risky essential drawback negative side crucial merit vital virtue

shortcoming strength flaw hazardous weakness significant downside benefit

## Exe 13

Environment the root of incentive surroundings look cause right at the beginning rewards observe early on

clothing and service purpose dome beautiful aim at sheer volume awesome beauty/ magnificent equipment shape impressive size

observation and investigation trainer deploy underestimate research value short-sighted beneficial use coach

large field long tradition important for assistant big area central to out of temper help for centuries angry

## Exe 14

Travel familiar / inviting look after overlook underestimate comfortable cover sleek and modern care for stylish

like leisure figure convenient recreation handy housing as if statistics apartment blocks

fuel adapted rebuild closed in display converted exhibition reconstruct coal enclosed

communication manage time/ prioritize misunderstand stronger greater care assert ideas durable organization wrong ideas more caution

higher constant supply enough law fertile offspring symbolize rich basic see… as fundamental catastrophe close children disaster out of bounds rising regulation

conflicting in particular encourage admiration incentive location keep an eye on the clock especially spot boring tension respect

## Exe 15

be willing to give be classified as less effective donate collect fall into category of bring in reduce the benefits of be prepared to

detached need to pay international team pick up be moved accommodation scientists from many different countries be required

in advance removed totally transformed brave unpopular with students gather before living and working space raised or lowered high absent rate developed so much/would not recognize it as the same place a lot of courage

any day now apartment complex tools as much variety as possible brave appointment budget buy soon a wide range of

artifacts money purchase building schedule courageous

can hardly wait infested with mites carry on casual continue carry parasites look forward to informal classify find completely unknown check inspect categorize totally new contest put in order clean up come up with competition

## Exe 16

component consumers dessert delicious aroma unpleasant market inventive disruption deserted cake smell very good creative part empty disagreeable drawing breakoff sketch

drowsy reproduce duplicate eliminate insects opinion access sleepy expect flourishment anticipate pest control entrance expenses fees explosion extension feedback factual extra time rely too much on facts/ lack personal ideas

ferry complete forecast field trip financial aid

money angry finish expect glance through flexible increase fringe boat class activity free edge furious read quickly go up

great adaptive ability distribute humorous adapt easily hand out scientific research impose opinion illegal

less than a week amusing Idea against the law

important breakthroughs exert in every home easy access to in three days common household items in hand

## Exe 17 Grammar

#### 1

* + Read IT .
  + Excellent .
  + -Spoken to Jane Prince.

-Head of the .

* + It is best for women to start thinking about pensions when they are in their .
  + The price of a first-class ticket includes
  + Many women only think about their financial future when a occurs.
  + The first motion picture was called The
  + In ancient India, a man would fight a lion as a test of

#### 2

* + It is convenient for student to travel in this area because of
  + Crocodiles came to live on land as a result of the destruction of
  + The air pollution is getting worse due to more .
  + improved the situation.
  + Women had better improve in order to cope with financial problems successfully.
  + The locals use and are therefore difficult to talk to.
  + The volume and stability change of the ice-cap have impact on .
  + In order to keep up with the pace, you need to wear .
  + The change of people 's lifestyle are mainly because of
  + Indian lions are vulnerable species for they have a limited .

#### 3

* + 1 Economic costs may appear unimportant to
  + 2 During periods of change, managers have to cope with increased amount of
  + 3 Undiscovered material may be damaged by
  + 4 Aerial photos can show vegetation problems, etc.

density, ocean floor

**EXE 18**

V30078 一位男士询问旅游住宿事宣Ch1：45s’

A man named Eric is planning a trip and looking for accommodation. He is advised of four places. The first one has a free parking lot and also a 1\_\_\_\_\_\_. However, there is 2\_\_\_\_\_for the second one. In that case, it won't be convenient for the disabled.  While the third one comes with a 3\_\_\_\_\_\_ the last place offers 4\_\_\_\_\_off-street parking and the 5 \_\_\_\_For transportation, 6\_\_\_\_\_\_city bus is most often used for a bus tour. Ferry boat is available now, but the boat trip lasts for 7\_\_\_\_\_\_. So Eric chooses to hire bikes from the shop 8\_\_\_\_\_\_. He decides to go to three different museums which feature 9 \_\_\_\_\_\_ 10 \_\_\_\_\_\_\_\_ 11 \_\_\_\_\_\_\_.

V50110 一位男士咨询去洛杉矶的机票事宜Ch1：3’05

A man wants to book a plane ticket to Los Angeles and the

ticket salesman advises him to register a card called 1 \_\_\_\_\_\_

There are three kinds of discount and the card needs 2\_\_\_\_\_\_

pounds. Then the man asks where this card can have discount

as well. The salesman tells him he can have discount in 3\_\_\_\_ paying 4\_\_\_\_ and 5 \_\_\_\_\_\_. So the man provides his information to register the card. His name is John Lee. His home telephone number is 6\_\_\_\_\_\_\_and work telephone number is

7\_\_\_\_\_\_.

V41010 一位女士在做旅游类的调查 Ch1: 2’

A woman was interviewing a man for her survey. The man said he had been there for 1\_\_\_\_\_ times so far. He listed several things that impressed him, and the 2\_\_\_\_\_was on top of that. He also found the 3\_\_\_\_\_ and the theater very attractive. Then he mentioned about the 4\_\_\_\_\_of food available there. Instead of taking a train. he took a 5\_\_\_\_\_ there. It actually saved him plenty of time on the road. Then the woman asked some personal questions. When asked about age, he replied he was 6\_\_\_\_and had 7\_\_\_\_\_ income, plus he visited there for 8\_\_\_\_\_this time. He also commented on accommodation there as 9\_\_\_\_\_\_， At Last, he told her he was a 10 \_\_\_\_\_\_

V44133 关于红树林的介绍 Ch4 : 14’15

Let's talk about the tropical plant called "mangrove". Mangroves

can be used to prevent the small island from suffering 1 \_\_\_\_\_\_ Since the forest has been damaged, local farmers have used mangroves as 2 \_\_\_\_\_\_\_ The land was poisoned by the use of3 \_\_\_\_\_\_\_, and people dumped 4\_\_\_\_\_\_onto mangroves. There were some improvements. 5 \_\_\_\_\_was used as a barrier against flood. Unfortunately, it didn’t work. Seeds were watered by 6 \_\_\_\_\_\_ and characteristic of mangroves was its penetration. The pot should be put in 7 \_\_\_\_\_\_ and the seeds were 8 \_\_\_\_\_\_

There are several negative sides of mangroves. Many young trees are destroyed in the 9 \_\_\_\_\_ and seeds are often eaten by the increased number of 10 \_\_\_\_\_\_\_.

# Student Researchers Find Secret Tea

**Ingredients**

After water, tea is the world’s most popular drink. Now three New York City high school students [Catherine Gamble, Rohan Kirpekar and Grace Young] have discovered what may be a brewing scandal. Because they found stuff in lots of teas that shouldn’t be there.

The students were guided by professional researchers as they worked their way through teas and herbal varieties. The material tested came from

companies and originated in countries.

The high schoolers extracted and amplified the tea DNA and then sent it to a sequencing . They then compared the sequences they got back with known sequences listed in the GenBank database maintained by the US National Library of Medicine.

The junior scientists found that of the straight teas contained additional plant material. And more than of the herbal products included unlisted ingredients – such as the weeds bluegrass and white goosefoot. of the herbal mixes contained relatives of parsley. And listed chamomile.

The research was published in the Nature journal Scientific Reports. [Mark Stoeckle et al, Commercial Teas Highlight Plant DNA Barcode Identification Successes and Obstacles]

The effort shows that it’s possible to cheaply identify food ingredients and do

. And all that chamomile may represent an attempt to keep us calm about impurities.

# Biggest Mass Extinction Was Fastest,

**Too**

It was the largest of the five [major mass extinctions](http://en.wikipedia.org/wiki/Extinction_event#Major_extinction_events) in Earth’s history—well before the dinosaur-killer million years ago. What’s called the End Permian extinction, million years ago, wiped out of aquatic species and

of species on land. Scientists have been trying to gauge the time frame of the extinction, in the hopes of determining its causes.

Now researchers say it’s the fastest mass extinction known.

Using new tools and models—including a fresh analysis of formations in China—the researchers determined that the extinction took only about years. That’s incredibly quick by geological standards, and is more than faster than previous estimates.

The report is in the *Proceedings of the National Academy of Sciences*. [Seth D. Burgess, Samuel Bowring and Shu-zhong Shen, [High-precision timeline for Earth’s](http://www.pnas.org/content/early/2014/02/04/1317692111.abstract) [most severe extinction](http://www.pnas.org/content/early/2014/02/04/1317692111.abstract)]

Study author Samuel Bowring from M.I.T. says they can’t yet compare the speed of the previous extinction to the extinction rates caused by today. But, he says, their research is starting to help reveal how past that influenced extinctions—such as levels of carbon dioxide in the atmosphere—compare to the changes in those levels seen today. In the midst of what many call the sixth extinction.

# Hurricanes Move Away From Equator

**with Expanding Tropics**

They’re technically called tropical cyclones. But these powerful storms are better known as hurricanes in the U.S. and typhoons in Asia. The violent weather systems wreak havoc on and islands in tropical areas, as the name implies.

But it looks like tropical cyclones may be moving into areas not currently considered tropical, when the storms reach maximum strength. That's according to a study in the journal Nature. [James P. Kossin, Kerry A. Emanuel and Gabriel A. Vecchi, The poleward migration of the location of tropical cyclone maximum intensity]

Researchers looked at the global record of tropical cyclones since the . That's when such storms started to be reliably monitored by . Using those data, the researchers pinpointed the place on the globe where each storm reached its maximum intensity.

The record reveals that peak cyclone location has been shifting toward both at a rate of about miles per decade, roughly a degree of latitude.

Of course, tropical zones themselves are expanding. And the researchers suggest the cyclone shift may be linked to that growth, which is connected to more

heat-trapping in the atmosphere as a result of human activity. All of which means that new regions will be at risk for stronger storms as tropical cyclones spread to higher latitudes

# Brain Cells

The big dream for neuroscientists is to be able to watch our brain cells in action, in real time.

Well, new research has maybe found the most promising tool yet—a technique to watch individual neurons light up in response to a stimulus, like flipping on a

.

Scientists at the Max Planck Institute inserted a light-sensitive into a lab mouse. When a neuron fires, calcium ions flood through special cell channels. And when this light-sensitive \*\*\* binds to calcium, it radiates . So when the neuron fires it glows yellow.

When scientists shot a puff of air at the mouse’s whiskers, the brain cells in the sensory areas of the cortex glowed yellow. They watch this via thin inserted into that brain region.

With this technique scientists now have a way to watch in many different regions of the brain at once.

The hope is to investigate how the brain forms and loses neural during life experiences and when suffering from illnesses such as Alzheimer’s, Parkinson’s and schizophrenia.

# Recession: Just What the Doctor Ordered?

It sounds paradoxical, but in wealthy countries, there's nothing like a recession to boost the population's health. According to a report in the September 1st *Canadian Medical Association Journal*, when our get lighter, we do more than tighten our purse strings—we also cinch our belts, kick bad habits and manage to lower our .

Economic growth is usually associated with increased lifespans, but the report says that’s only true for very poor countries. Researchers looked at from dozens of 20th century international health studies and found that, once per-capita income passed $5,000, recessions actually helped health. During lean times, people in relatively wealthy countries drink and smoke less and stop overeating. They also go out less, which means fewer trips in the car. It all adds up to fewer deaths from things like lun[g cancer](http://www.scientificamerican.com/topic.cfm?id=cancer), liver disease, and car crashes.

The researchers say that fewer hours in the office can also mean more time with family and friends. These close lead to less [stress](http://www.scientificamerican.com/topic.cfm?id=stress) and better health. Of course, some people may find more family time to be like a lot of good medicine—hard to swallow.