

Test 1

READING PASSAGE 1

You should spend about 20 minutes on **Questions 1-13**, which are based on Reading Passage 1.

Bovids

The family of mammals called bovids belongs to the Artiodactyl class, which also includes giraffes. Bovids are highly diverse group consisting of 137 species, some of which are man's most important domestic animals.

Bovids are well represented in most parts of Eurasia and Southeast Asian islands, but they are by far the most numerous and diverse in the latter. Some species of bovid are solitary, but others live in large groups with complex social structures. Although bovids have adapted to a wide range of habitats, from arctic tundra to deep tropical forest, the majority of species favour open grassland, scrub or desert. This diversity of habitat is also matched by great diversity in size and form: at one extreme is the royal antelope of West Africa, which stands a mere 25 cm at the shoulder; at the other, the massively built bisons of North America and Europe, growing to a shoulder height of 2.2m.

Despite differences in size and appearance, bovids are united by the possession of certain common features. All species are ruminants, which means that they retain undigested food in their stomachs, and regurgitate it as necessary. Bovids are almost exclusively

herbivorous*. Typically their teeth are highly modified for browsing and grazing: grass or foliage is cropped with the upper lip and lower incisors** (the upper incisors are usually absent), and then ground down by the cheek teeth. As well as having cloven, or split, hooves, the males of all bovid species and the females of most carry horns. Bovid horns have bony cores covered in a sheath of horny material that is constantly renewed from within; they are unbranched and never shed. They vary in shape and size: the relatively simple horns of a large Indian buffalo may measure around 4 m from tip to tip along the outer curve, while the various gazelles have horns with a variety of elegant curves.

Five groups, or sub-families, may be distinguished: Bovinae, Antelope, Caprinae, Cephalophinae and Antilocapridae. The sub-family Bovinae comprises most of the larger bovids, including the African bongo, and nilgae, eland, bison and cattle. Unlike most other bovids they are all non-territorial. The ancestors of the various species of domestic cattle banteng, gaur, yak and water buffalo are generally rare and endangered in the wild, while the auroch (the ancestor of the domestic cattle of

*herbivorous: plant-eating

**incisors: front teeth

Europe) is extinct.

The term 'antelope' is not a very precise zoological name – it is used to loosely describe a number of bovids that have followed different lines of development. Antelopes are typically long-legged, fast-running species, often with long horns that may be laid along the back when the animal is in full flight. There are two main sub-groups of antelope: Hippotraginae, which includes the oryx and the addax, and Antilopinae, which generally contains slither and more graceful animals such as gazelle and the springbok. Antelopes are mainly grassland species, but many have adapted to flooded grasslands: puku, waterbucks and lechwe are all good at swimming, usually feeding in deep water, while the sitatunga has long, splayed hooves that enable it to walk freely on swampy ground.

The sub-family Caprinae includes the sheep and the goat, together with various relatives such as the goral and the tahr. Most are woolly or have long hair. Several species, such as wild goats, chamois and ibex, are agile cliff – and mountain-dwellers. Tolerance of extreme conditions is most marked in this group: Barbary and bighorn sheep have adapted to arid deserts, while Rocky Mountain sheep survive high up in mountains and musk oxen in arctic tundra.

The duiker of Africa belongs to the Cephalophinae sub-family. It is generally small and solitary, often living in thick forest. Although mainly feeding on grass and leaves, some

duikers – unlike most other bovids – are believed to eat insects and feed on dead animal carcasses, and even to kill small animals.

The pronghorn is the sole survivor of a New World sub-family of herbivorous ruminants, the Antilocapridae in North America. It is similar in appearance and habits to the Old World antelope. Although greatly reduced in numbers since the arrival of Europeans, and the subsequent enclosure of grasslands, the pronghorn is still found in considerable numbers throughout North America, from Washington State to Mexico. When alarmed by the approach of wolves or other predators, hairs on the pronghorn's rump stand erect, so showing and emphasising the white patch there. At this signal, the whole herd gallops off at speed of over 60 km per hour.

Questions 1-3

Choose the correct letter, **A**, **B**, **C** or **D**.

Write the correct letter in boxes 1-3 on your answer sheet.

1 In which region is the biggest range of bovids to be found?

- A** Africa
- B** Eurasia
- C** North America
- D** South-east Asia

2 Most bovids have a preference for living in

- A** isolation
- B** small groups
- C** tropical forest
- D** wide open spaces

3 Which of the following features do all bovids have in common?

- A** Their horns are shot
- B** They have upper incisors
- C** They store food in the body
- D** Their hooves are undivided

Questions 4-8

Look at the following characteristics (Question 4-8) and the list of sub-families below.

Match each characteristic with the correct sub-family, **A, B, C** or **D**.

Write the correct letter, **A, B, C** or **D**, in boxes 4-8 on your answer sheet.

NB You may use any letter more than once

- 4** can endure very harsh environments
- 5** includes the ox and the cow
- 6** may supplement its diet with meat
- 7** can usually move at speed
- 8** does not defend a particular area of land

List of sub-families	
A	Antelope
B	Bovinae
C	Caprinae
D	Cephalophinae

Question 9-13

Answer the questions below.

Choose **NO MORE THAN THREE WORDS** from the passage for each answer.

Write your answers in boxes 9-13 on your answer sheet.

- 9** What is the smallest species of Bovid called?
- 10** Which species of Bovinae has now died out?
- 11** What facilitates the movement of the sitatunga over wetland?
- 12** What sort of terrain do barbary sheep live in?
- 13** What is the only living member of the Antilocapridae sub-family?

READING PASSAGE 2

You should spend about 20 minutes on **Question 14 – 26** which are based on Reading Passage 2.

Photovoltaics on the rooftop

A natural choice for powering the family home

- A In the past, urban home owners have not always had much choice in the way electricity is supplied to their homes. Now, however, there is a choice, and a rapidly increasing number of households worldwide are choosing the solar energy option. Solar energy, the conversion of sunlight into energy, is made possible through the use of 'photovoltaics', which are simple appliances that fit onto the roof of a house.
- B The photovoltaics-powered home remains connected to the power lines, but no storage is required on-site, only a box of electronics (the inverter) to the interface between the photovoltaics and the grid network. Figure 1 illustrates the system. During the day, when the home may not be using much electricity, excess power from the solar array is fed back to the grid, to factories and offices that need daytime power. At night, power flows the opposite way. The grid network effectively provides storage. If the demand for electricity is well matched to when the sun shines, solar energy is especially valuable. This occurs in places like California in the US and Japan, where air-conditioning loads for offices and factories are large but heating loads for homes are small.
- C The first systematic exploration of the use of photovoltaics on homes began in the US during the 1970s. A well-conceived program started with the siting of a number of 'residential experiment stations' at selected locations around the country, representing different climatic zones. These stations contained a number of 'dummy' houses, each with a different solar-energy system design. Homes within the communities close to these stations were monitored to see how well their energy use matched the energy generated by the stations' dummy roofs. A change in US government priorities in the early 1980s halted this program.
- D With the US effort dropping away, the Japanese Sunshine Project came to the fore. A large residential test station was installed on Rokko Island beginning in 1986. This installation consists of 18 'dummy' homes. Each equipped with its own 2 - 5 kilowatt photovoltaic system (about 20 - 50 square meters for each system). Some of these simulated homes have their own electrical appliances inside, such as TV sets, refrigerators and air conditioning units, which switch on and off under computer control providing a lavish lifestyle for the non-existent occupants. For the other systems, electronics simulate these household loads. This test station has allowed the technical issues involved in using photovoltaics within the electricity network to be explored in a systematic way, under well-controlled test conditions. With no insurmountable problems identified, the Japanese have used the experience gained from this station to begin their own massive residential photovoltaics campaign.
- E Meanwhile, Germany began a very important '1,000 roof program' in 1990, aimed at installing photovoltaics on the roofs of 1,000 private homes. Large federal and regional government subsidies were involved, accounting in most cases for 70% of the total system costs. The program proved immensely popular, forcing its extension to over 2,000 homes scattered across Germany. The success of this program stimulated other European countries to launch similar programs.

- F Japan's 'one million roof program' was prompted by the experience gained in the Rokko Island test site and the success of the German 1,000 roof program. The initially quoted aims of the Japanese New Energy Development Organization were to have 70,000 homes equipped with the photovoltaics by the year 2000, on the way to 1 million by 2010. The program made a modest start in 1994, when 539 systems were installed with a government subsidy of 50 percent. Under this program, entire new suburban developments are using photovoltaics.
- G The Japanese initiative in embracing residential photovoltaics on a large scale prompted responses in both Europe and the US. The European Commission has called for one million solar residential systems before the year 2010, with 500,000 in Europe and 500,000 in the developing world, to be subsidised by the Commission. In 1997, a similar one million roof target was announced in the US. Since then, several other countries including Germany, Italy, the Netherlands and Australia, have announced their own targets for residential photovoltaics.
- H This is good news, not only for the photovoltaic industry, but for everyone concerned with the environment. The use of fossil fuels to generate electricity is not only costly in financial terms, but also in terms of environmental damage. Gases produced by the burning of fossil fuels in the production of electricity are a major contributor to the green house effect. To deal with this problem, many governments are now proposing stringent targets on the amount of green house gas emissions permitted. These targets mean that all sources of green house gas emissions including residential electricity use, will receive closer attention in the future.
- I It is likely that in the future, governments will develop building codes that attempt to constrain the energy demands of new housing. For example, the use of photovoltaics or the equivalent maybe stipulated to lessen demands on the grid network and hence reduce fossil fuel emissions. Approvals for building renovations may also be conditional upon taking such energy-saving measures. If this were to happen, everyone would benefit. Although there is an initial cost in attaching the system to the rooftop, the householder's outlay is soon compensated with the savings on energy bills. In addition, everyone living on the planet stands to gain from the more benign environmental impact.

Residential use of photovoltaics – by day excess power is sent to the grid, and by night power is supplied to the home.

Question 14 – 19

Reading Passage 2 has nine paragraphs A – I

Which paragraph contains the following information?

Write the correct letter A – I in boxes 14 – 19 on your answer sheet.

NB You may use any letter more than once

- 14** examples of countries where electricity use is greater during the day than at night
- 15** a detailed description of an experiment that led to photovoltaics being promoted throughout the country
- 16** the negative effects of using conventional means of generating electricity
- 17** an explanation of the photovoltaics system
- 18** the long-term benefits of using photovoltaics
- 19** a reference to wealthy countries being prepared to help less wealthy countries have access to photovoltaics

Questions 20 – 26

Do the following statements agree with the information given in Reading Passage 2?
In boxes 20 – 26 on your answer sheet, write

TRUE	if the statement agrees with the information
FALSE	if the statement contradicts the information
NOT GIVEN	if there is no information on this

- 20** Photovoltaics are used to store electricity.
- 21** Since the 1970s, the US government has provided continuous support for the use of photovoltaics on homes.
- 22** The solar-powered houses on Rokko Island are uninhabited.
- 23** In 1994, the Japanese government was providing half the money required for installing photovoltaics on homes.
- 24** Germany, Italy, the Netherlands and Australia all have strict goals with regard to greenhouse gas emissions.
- 25** Residential electricity use is the major source of greenhouse gas emission.
- 26** Energy-saving measures must now be included in the design of all new homes and improvements to buildings.

READING PASSAGE 3

You should spend about 20 minutes on **Questions 27-40**, which are based on Reading Passage 3.

Questions 27 – 31

Reading Passage 3 has six sections, **A-F**.

Choose the correct heading for sections **B-F** from the list of headings below.

Write the correct number, **i-ix**, in boxes 27-31 on your answer sheet.

List of Headings

- i** Disagreement about the reading process
- ii** The roots of the debate
- iii** A combined approach
- iv** Methods of teaching reading
- v** A controversial approach
- vi** Inconclusive research
- vii** Research with learners
- viii** Allowing teachers more control
- ix** A debate amongst educators

Example

Section A

ix

- 27** Section B
- 28** Section C
- 29** Section D
- 30** Section E
- 31** Section F

How should reading be taught?

By Keith Rayner and Barbara R Foorman

A Learning to speak is automatic for almost all children, but learning to read requires elaborate instruction and conscious effort. Well aware of the difficulties, educators have given a great deal of thought to how they can best help children learn to read. No single method has triumphed. Indeed, heated arguments about the most appropriate form of reading instruction continue to polarise the teaching community.

B Three general approaches have been tried. In one, called whole-word instruction, children learn by rote how to recognise at a glance a vocabulary of 50 to 100 words. Then they gradually acquire other words, often through seeing them used over and over again in the context of a story.

Speakers of most languages learn the relationship between letters and the sounds associated with them (phonemes). That is, children are taught how to use their knowledge of the alphabet to sound out words. This procedure constitutes a second approach to teaching reading – phonics.

Many schools have adopted a different approach: the whole-language method. The strategy here relies on the child's experience with language. For example, students are offered engaging books and are encouraged to guess the words that they do not know by considering the context of the sentence or by looking for clues in the storyline and illustrations, rather than trying to sound them out.

Many teachers adopted the whole-language approach because of its intuitive appeal. Making reading fun promises to keep children motivated, and learning to read depends more on what the student does than on what the teacher does. The presumed benefits of whole-language instruction – and the contrast to the perceived dullness of phonics – led to its growing acceptance across America during the 1990s, and a movement away from phonics.

C However, many linguists and psychologists objected strongly to the abandonment of phonics in American schools. Why was this so? In short, because research had clearly demonstrated that understanding how letters related to the component sounds in words is critically important in reading. This conclusion rests, in part, on knowledge of how experienced readers make sense of words on a page. Advocates of whole-language instruction have argued forcefully that people often derive meanings directly from print without ever determining the sound of the word. Some psychologists today accept this view, but most believe that reading is typically a process of rapidly sounding out words mentally. Compelling evidence for this comes from experiments which show that subjects often confuse homophones (words that sound the same, such as 'rose' and 'rows'). This supports the idea that readers convert strings of letters to sounds.

D In order to evaluate different approaches to teaching reading, a number of

experiments have been carried out, firstly with college students, then with school pupils. Investigators trained English-speaking college students to read using unfamiliar symbols such as Arabic letters (the phonics approach), while another group learned entire words associated with certain strings of Arabic letters (whole-word). Then both groups were required to read a new set of words constructed from the original characters. In general, readers who were taught the rules of phonics could read many more new words than those trained with a whole-word procedure.

Classroom studies comparing phonics with either whole-word or whole-language instruction are also quite illuminating. One particularly persuasive study compared two programmes used in 20 first-grade classrooms. Half the students were offered traditional reading instruction, which included the use of phonics drills and applications. The other half were taught using an individualised method that drew from their experiences with language; these children produced their own booklets of stories and developed sets of words to be recognised (common components of the whole-language approach). This study found that the first group scored higher at year's end on tests of reading and comprehension.

- E** If researchers are so convinced about the need for phonics instruction, why does the debate continue? Because the controversy is enmeshed in the philosophical differences between traditional and progressive (or new) approaches, differences that have divided educators for years. The progressives challenge the results of laboratory tests and classroom studies on the basis of a broad philosophical scepticism about the values of such research. They champion student-centred learning and teacher empowerment. Sadly, they fail to realise that these very admirable educational values are equally consistent with the teaching of phonics.
- F** If schools of education insisted that would-be reading teachers learned something about the vast research in linguistics and psychology that bears on reading, their graduates would be more eager to use phonics and would be prepared to do so effectively. They could allow their pupils to apply the principles of phonics while reading for pleasure. Using whole-language activities to supplement phonics instruction certainly helps to make reading fun and meaningful for children, so no one would want to see such tools discarded. Indeed, recent work has indicated that the combination of literature-based instruction and phonics is more powerful than either method used alone.

Teachers need to strike a balance. But in doing so, we urge them to remember that reading must be grounded in a firm understanding of the connections between letters and sounds. Educators who deny this reality are neglecting decades of research. They are also neglecting the needs of their students.

Questions 32 – 36

Do the following statements agree with the information given in Reading Passage 3?

In boxes 32-36 on your answer sheet, write

TRUE if the statement agrees with the information

FALSE if the statement contradicts the information

NOT GIVEN if there is no information on this

- 32** The whole-language approach relates letters to sounds.
- 33** Many educators believe the whole-language approach to be the most interesting way to teach children to read.
- 34** Research supports the theory that we read without linking words to sounds.
- 35** Research has shown that the whole-word approach is less effective than the whole-language approach.
- 36** Research has shown that phonics is more successful than both the whole-word and whole-language approaches.

Questions 37 – 40

Complete the summary of sections E and F using the list of words, **A-G**, below.

Write the correct letter, **A-G**, in boxes 37-40 on your answer sheet.

In the teaching community, **37** question the usefulness of research into methods of teaching reading. These critics believe that **38** is incompatible with student-centred learning. In the future, teachers need to be aware of **39** so that they understand the importance of phonics. They should not, however, ignore the ideas of **40** which make reading enjoyable for learners.

- | | |
|----------|---------------------------|
| A | the phonics method |
| B | the whole-word method |
| C | the whole-language method |
| D | traditionalists |
| E | progressives |
| F | linguistics |
| G | research studies |

Test 1 阅读答案及解析

Reading Passage 1

1. D; 关键词 biggest range; 原文定位: 第二段首句, they are by far the most numerous and diverse in the latter. 题目解析: biggest range = the most numerous and diverse, in the latter指代上文中的后者, 即South-east Asia.

2. D; 关键词most, preference; 原文定位: 第二段中间, the majority of species favour open grassland, scrub or desert. 题目解析: most对应majority, preference对应favour. Opening grassland, scrub or desert都是wide open spaces.

3. C; 关键词 all, in common; 原文定位: 第三段第二句, all species are ruminants; 题目解析: 上句中提到bovids are united by the possession of certain common features, 紧接着下一句说明 retain undigested food in their stomachs对应选项C, store food in their body.

4. C; 关键词endure, harsh; 原文定位: 第六段末句, tolerance of extreme conditions is most marked in this group. 题目解析: 同义改写, endure very harsh environments = tolerance of extreme conditions.

5. B; 关键词 ox, cow; 原文定位: 第四段第二句, the sub-family bovinæ comprises ... cattle; 题目解析: ox和cow都属于cattle, 在这里指家畜牛。考察对于基础词汇的深度理解。

6. D; 关键词 meat; 原文定位: 第七段第三句, although mainly feeding on grass and leaves, some duikers ... animals. 题目解析: eat insects and feed on dead animal carcasses都是肉食的表现, although mainly feeding是转折提示, 尽管主要吃草, 还...与supplement对应。

7. A; 关键词 speed; 原文定位: 第五段第二句, antelopes are typically long-legged, fast-running; 题目解析: fast-running = move at speed 跑得快的同义改写。

8. B; 关键词defend a particular area; 原文定位: 第四段中间, unlike most other bovids they are all non-territorial; 题目解析: does not defend a particular area of land = non-territorial 此题关键在于找到没有领地意识这个词。

9. royal antelope; 关键词 smallest; 原文定位: 第二段, this diversity of habitat is also matched by great diversity in size and form. 题目解析: at one extreme在一个极端这里指最小的, 通过数值和massively等词可以判断。

10. the auroch; 关键词died out; 原文定位: 第四段最后, while the auroch is extinct; 题目解析: have now died out = extinct, 都是灭绝的意思。

11. long splayed hooves; 关键词 sitatunga, movement, wetland; 原文定位: 第五段最后, the sitatunga has long, splayed hooves that enable it to walk freely on swampy ground; 题目解析: sitatunga只出现过一次, facilitates=enable, wetland=swampy ground.

12. arid desert; 关键词barbary; 原文定位: 第六段末句, barbary and bighorn sheep have adapted to arid deserts; 题目解析: 第六段是说羊的, 定位到barbary即可。

13. pronghorn; 关键词only living member; 原文定位: 最后一段开头句; 题目解析: only living member = the sole survivor, antilopcapridae作为同位语出现, 与前面的sub-family衔接。

Reading Passage 2

14. B; 关键词during the day; 原文定位: B段倒数后两句; 题目解析: 题干的意思和the demand for electricity is well matched to when the sun shines相一致, 白天用电比晚上多, 就是对点的需求和阳光相匹配。

15. D; 关键词experiment, promoted; 原文定位: D段末句; 题目解析: an experiment对应experience gained from this station, promoted throughout the country对应campaign.

16. H; 关键词negative, conventional; 原文定位: H段第三句; 题目解析: fossil fuels属于conventional means, H段第三句gases produced by the burning of fossil fuels in the production of electricity are a major contributor to the green house effect.

17. B; 关键词system; 原文定位: B段第三句; 题目解析: 借助Figure 1来解释系统运作原理, 变形的图表出题点。

18. I; 关键词long term; 原文定位: I段倒数第二句; 题目解析: 尽管有前期安装成本, 但是节省下来能源费用的支出很快能抵消。

19. G; 原文定位: G段第一、二句; 题目解析: 日本启动大范围的居民太阳能项目得到了欧洲和美国的响应。欧洲委员会推出了2010年前安装100万居民太阳能项目, 由欧洲委员会资助, 其中50万在欧洲, 50万在发展中国家。

20. False; 关键词store; 原文定位: B段第一句; 题目解析: no storage is required on-site这种技术的特点就是只需要发电不用蓄电。

21. False; 关键词continuous; 原文定位: C段末句; 题目解析: 关键词halted, 美国在1980s停止了这个项目, 并不是持续支持。

22. True; 关键词uninhabited; 原文定位: D段中间; 题目解析: 这里uninhabited是无人居住的意思, 对应不存在的居住者non-existent occupants. 不认识这个词可以通过词根词缀的帮助进行选择。

23. True; 关键词1994, half; 原文定位: F段倒数第二句; 题目解析: a government subsidy of 50 percent提到了政府付一半钱。

24. Not Given; 关键词Italy, Netherlands; 没有提到;

25. Not Given; 关键词major source; 原文定位: H段; 题目解析: 发电产生的温室气体是主要来源, 但是居民用电的排放是否是主要来源并没有提及。

26. False; 关键词must; 原文定位: I段; 题目解析: 对于节能的要求, new housing是likely, renovations是may be, 都不是确定的。题中有must等极端词汇很可能是错误的。

Reading Passage 3

27. iv; 关键词method of teaching; 原文定位: B段 three general approaches have been tried; 题目解析: 三种教学方法, B段中非常明显的三段。

28. i; 关键词disagreement; 原文定位: C段objected strongly; 题目解析: 对阅读过程的反对意见, C段however开头是提示。

29. vii; 关键词research; 原文定位: D段experiments have been carried out; 题目解析: 对不同学习者的研究, D段两段的段首句都有experiments和studies提示。

30. ii; 关键词roots; 原文定位: E段because the controversy is enmeshed in the philosophical differences between traditional and progressive approaches. 题目解析: 问题的根源是什么? 这道题很容易在原文中的设问句中找到答案。设问句是可能的出题点之一, 阅读时可快速定位。
31. iii; 关键词combined; 原文定位: F第二段, but in doing so, we urge them to remember that reading must be grounded in a firm understanding of the connections between letters and sounds. 题目解析: 认识到字母和声音的联系并使用多种教学方法结合。
32. False; 关键词whole-language; 原文定位: B第二段; 题目解析: whole-word才是结合字母与声音。
33. True; 关键词 whole-language; 原文定位: B第四段; 题目解析: many teachers adopted the whole-language approach because of its intuitive appeal.
34. False; 关键词 without linking; 原文定位: C第三句; 题目解析: research had clearly demonstrated that understanding how letters related to the component sounds in words is critically important in reading. 研究明确表明有联系, 而不是没有联系。
35. Not Given; 关键词less effective; 原文定位: B段F段; 题目解析: 没有提到whole-word, whole-language两种方式的对比哪个更有效, 注意仔细审题。
36. True; 关键词more successful; 原文定位: D段; 题目解析: 研究表明有phonics的学习效果更好。
37. E; 题目解析: 教学领域的进步人士提出质疑, 对应question一词。
38. A; 题目解析: 表明对前面研究结果的质疑, 所以是phonics methods。
39. G; 题目解析: 了解研究结果以便理解phonics的重要性。
40. C; 题目解析: the whole-language方法是有趣的, 和句子里的enjoyable对应。