

Reading

You are going to read an article in which five environmentalists discuss how our dietary habits negatively affect the environment. For questions 1 – 10, choose from the environmentalists (A – E). The environmentalists may be chosen more than once.

Which environmentalist makes the following statements?

- | | | |
|---|----|--------------------------|
| Rather than feed massive numbers of cattle, we could use that food to end world hunger. | 1 | <input type="checkbox"/> |
| Using wind, solar and hydroelectric power on farms can provide a small environmental improvement. | 2 | <input type="checkbox"/> |
| Producing more plant-based food is preferable because it removes greenhouse gases. | 3 | <input type="checkbox"/> |
| The runoff from a cattle farm creates further problems for native wildlife. | 4 | <input type="checkbox"/> |
| Apart from one notable exception, the livestock industry affects the environment negatively. | 5 | <input type="checkbox"/> |
| The impact of meat production on a valuable resource is two-fold. | 6 | <input type="checkbox"/> |
| In places once teeming with wildlife, there are fewer and fewer species. | 7 | <input type="checkbox"/> |
| There are more effective ways of feeding cattle than with processed food. | 8 | <input type="checkbox"/> |
| Convincing people to avoid beloved foods is a great challenge. | 9 | <input type="checkbox"/> |
| Reducing the impact a large cattle farm has on its surroundings is insufficient. | 10 | <input type="checkbox"/> |

How the food we produce impacts the environment

New studies reveal the extent to which the production of meat-based foods affects our planet. We've asked five environmentalists to shed some light on the matter.

Environmentalist A

We're really just now learning about how meat production leaves the biggest carbon footprint on Earth when compared to crop growing. It is estimated that the world's farm animals account for almost 15% of the greenhouse gases in our atmosphere. In contrast, crops serve as a carbon filter, thereby lowering the amount of carbon dioxide in the air. Naturally, encouraging an entire population to abstain from beef and chicken will be an uphill battle. It is up to researchers and dedicated environmentalists to raise awareness of just how detrimental meat production is to our environment, in the hope of stimulating dietary changes.

Environmentalist B

In terms of water usage, when you look at the requirements for raising livestock versus growing crops, it's clear that we're not using our resources efficiently. On average, it takes a little over 16,000 cubic metres of water to produce one tonne of beef. In comparing this to plant-based crops, a tonne of rice requires about 2,500 cubic metres of water, and wheat takes about 1,600 cubic metres. At a time when



conserving water is of the utmost importance for millions of people, we simply cannot afford to allocate our water supply to livestock farming just to satisfy our overindulgence in beef. Furthermore, cattle farms are rather hazardous to lakes, rivers and streams; thus, they contaminate an already reduced water basin.

Environmentalist C

A great deal of plant crops such as corn, wheat, grains and grass go into a cow's belly. Grazing — when cattle eat grass growing in pastures — is a natural and efficient way of feeding livestock; however, large-scale livestock farms simply do not have enough land for cattle to graze. Instead, farmers purchase a type of 'cereal' for cattle which, if the ingredients were prepared for human consumption, could help provide

nourishment to people in distressed parts of the world, instead of just going to the cattle. In fact, cattle can be fed waste from the food-processing industry, a practice common in the Netherlands. Seventy per cent of the livestock food used on Dutch farms is recycled food waste, which constitutes a rare beneficial impact that the livestock industry has on the environment.

Environmentalist D

For the animals living in the otherwise natural habitats surrounding large-scale livestock farms, the cows are no better to them than they are to the atmosphere. Waste from large cattle farms can wind up in rivers and streams, killing off indigenous water animals and depleting supplies of fish. Researchers have noticed a decrease in biodiversity, meaning that only the strongest creatures are able to withstand the negative effects of a nearby farming industry. Many

industrial farms have measures in place to restrict these effects, such as efficient animal waste and wastewater management services. But no matter how many restrictions are imposed, large-scale farms are still going to damage natural habitats, and more must be done to reduce the size of these farms.

Environmentalist E

If we must settle on the continued use of large-scale farms, we can at least strive for greater energy efficiency in existing farms. In the US, in which large-scale cattle farms are prevalent, about 1% of the total energy is used to sustain such farming practices. This is not a negative aspect in and of itself; more so, it is a matter of the type of energy used. Thankfully, trends are changing in the cattle farming industry, and since 2007, the usage of fossil fuels as an energy source has dropped by almost 9%.

Reading: ____ / 10

^{a-z} Vocabulary

1 Complete the sentences with the nouns.

anaemia balance contents disease obesity practices

- Local businesses are being urged to adopt green _____ in an effort to save energy and water.
- Despite medical advances over the last few decades, heart _____ remains a major cause of death.
- The instructions say that you have to empty the _____ of the packet into a litre of boiling water.
- _____ in young children and teenagers is being fuelled by the fizzy drinks, cakes and biscuits which many of them eat on a regular basis.
- Georgia had been feeling weak and tired all the time before the doctor diagnosed _____ and prescribed a course of iron tablets.
- Even the most insignificant of creatures, such as ants and flies, are important in order to maintain an ecological _____.

____ / 6

2 Circle the correct words.

- Don't just bolt your food down like that! You need to **nibble** / **chew** it first!
- When Annie was pregnant, she **craved** / **yearned** all kinds of strange foods like sardines and coconut milk!
- Local people suspect that the marble processing factory has been dumping **hazardous** / **detrimental** waste into the river.
- The ancient remains were **raised** / **razed** to the ground in an act of wanton destruction.
- You do know that travelling everywhere by plane increases your **fossil** / **carbon** footprint by a huge amount, don't you?
- Always turn the tap off when you're cleaning your teeth as this helps to **consume** / **conserve** water.
- Please **refrain** / **restrict** from smoking in all public areas of the building.
- Have you ever heard people saying that travel **weakens** / **broadens** the mind?

____ / 8

Vocabulary

3 Complete the sentences with the correct form of the words. The words in *italic* will help you.

aim contribute dependent devoid replace tire turn whip

- Kerry wants to _____ her old desktop computer *with* a state-of-the-art laptop.
- Grant is amazing – he can _____ *up* a meal out of anything he finds in the fridge in less than ten minutes!
- Caroline is so _____ *of* imagination and humour that I think she'll be a very unsuccessful actress.
- Could you please _____ *down* the volume on the TV? I can't hear what you're saying!
- All that swimming and running around on the beach has _____ the children *out*.
- Jerry is _____ *for* total energy conservation in the building of his new eco-house.
- I think that little Sam is too _____ *on* his mother to be able to start nursery school.
- Although Nicolette is a good student and completes her assignments on time, she _____ very little *to* class discussions and that's worrying.

___ / 8

4 Complete the sentences with the correct form of the words in **bold**.

- | | |
|--|-------------------|
| 1 The most popular form of _____ energy for use in homes and businesses is solar power. | SUSTAIN |
| 2 Countries with many hours of sunshine every day should take advantage of this _____ energy source. | NEW |
| 3 Aspartame is a substance used to _____ a variety of products including yoghurt, diet drinks and chewing gum. | SWEET |
| 4 Although the victims of the accident are still critically ill, their condition has _____. | STABLE |
| 5 I believe it is against international law to dump _____ waste of any kind in the sea. | TOXIN |
| 6 British farmers have warned that the country's long-term food self-_____ is in danger with 40 per cent of products being imported from abroad. | SUFFICIENT |
| 7 Some species of fungi draw _____ from dead leaves and rotting wood. | NOURISH |
| 8 It has been reported that _____ pollution kills about 4,000 people every day in China. | ATMOSPHERE |

___ / 8

Grammar

Vocabulary: ___ / 30

1 Complete the sentences in reported speech.

- 'Did John suffer from diabetes?'
Mary asked me _____ from diabetes.
- 'I've been fighting off a cold since last week.'
Ingrid said that she _____.
- 'Are you saving any money on your heating bills?'
He asked me _____ any money on my heating bills.
- 'How often do you go to the bottle bank?'
I asked Jason _____ to the bottle bank.
- 'I'll pay the electricity bill tomorrow.'
Mark said he _____.

___ / 10



2 Complete the sentences with the correct form of the words in brackets. Make any other changes necessary.

- 1 'The power plant will close.'
The mayor announced _____ (close).
- 2 'Get me the manager of the restaurant!'
Henry demanded _____ (see) the manager of the restaurant.
- 3 'We believe you should have better creative skills.'
Christy's parents encouraged _____ (develop) her creative skills.
- 4 'Yes, I stole them.'
The man admitted _____ (steal) the items from the store.
- 5 'Tina – don't forget to buy the ingredients for the meal!'
Larry reminded _____ (buy) the ingredients for the meal.
- 6 'You spoil those children!'
My mother accused _____ (overindulge) my children.
- 7 'Come with us to the seaside, Hannah!'
Paul invited _____ (go) to the seaside with them.
- 8 'I'll walk you home.'
Roger insisted _____ (walk) me home.

___ / 8

3 Complete the sentences with the correct form of the verbs in brackets.

- 1 An ecological balance _____ (might / maintain) if the developed world stops exploiting the natural environment.
- 2 A substance called aspartame _____ (use) to sweeten most diet products.
- 3 New regulations _____ (recently / issue) by the Department of Health regarding the consumption of fizzy drinks in schools.
- 4 Do you know if healthy eating options _____ (include) on the new school lunch menu?
- 5 Strength exercises _____ (use) to build up the athletes' core muscles before they competed in last month's speed trials.
- 6 This mess had better _____ (clear up) before Mum gets home or she'll be furious!

___ / 6

4 Circle the correct words.

- 1 Gemma **had** / **got** her arm broken in a sports accident.
- 2 John **is believed to be** / **it is believed he is** running for class president!
- 3 **To be** / **It is** well known that car exhaust fumes contribute to global warming.
- 4 Are you having your hair **doing** / **done** especially for my birthday party?
- 5 Global warming **it is** / **is said to be** the single most important issue facing mankind today.
- 6 Why don't you **have** / **get** Carl look at your laptop? He's really clever with computers.

___ / 6

Grammar: ___ / 30

 **Writing**

Some pupils and parents have complained about the quality of the food in your school canteen. The Ministry of Education has decided to provide funds to improve the food on offer. Your head teacher has invited pupils to send in proposals outlining how the menu could be improved and explaining the benefits of including healthy eating options.

Writing: ___ / 10

Mark: ___ / 80

Write your proposal. (220-260 words)