

Unit 10. The ecosystem

VOCABULARY

I. Mark the letter A, B, C, or D to indicate the correct answer to each of the following questions.

- In a marine _____, krill, animals similar to tiny shrimps, provide the main food source for the blue whale, an animal on the third trophic level.
A. food chain B. mountain chain C. food supply D. living species
- You can see _____ animals like aquatic birds, crocodiles, and Indian elephants in Nagarahole National Park in India.
A. nature B. wildlife C. environment D. open
- This _____ bird could have been extinct but thanks to considerable efforts put in to save it, it still persists.
A. endanger B. endangering C. endangered D. endangerment
- Almost 3000 homes and many buildings have been _____ since the great storm broke.
A. wasted B. killed C. destroyed D. defeated
- No building can be put up in this conservation _____.
A. work B. size C. extent D. area
- Such _____ things use a lot of energy to survive, grow and reproduce.
A. non-living B. lively C. living D. lived
- The new climate _____ may make fossil fuels more expensive but would be effective to reduce greenhouse gas emissions.
A. change B. policy C. condition D. impact

II. Complete the sentences. Use the correct form of the words and phrases in the box.

- Some largest wildlife (reserve) _____ in Congo occupy more than one-third of the north-east forest of the country.
- We should find ways to use this abundant (nature) _____ resource effectively and economically.
- A hundred of species are threatened due to habitat (destroy) _____ by human beings.
- We need to limit the consumption of fossil fuels because the (use) _____ of the materials will lead to damaging effects on the environment.
- Effective environmental (protect) _____ requires a reduction in fuel consumption.
- Rising sea level is not one nation's problem but it creates a (globe) _____ impact. Every country in the world will be effected.
- If oil (drill) _____ activity increases, the prices will be reduced considerably and the energy crisis can be over.

III. Mark the letter A, B, C, or D to indicate the word(s) CLOSEST in meaning to the underlined word(s) in each of the following questions.

- Grand Canyon is a land of breathtaking natural beauty and wide regional **diversity** which is created by massive mountains, plain areas and deserts.
A. difference B. similarity C. stability D. feature

2. In the Philippines, illegal logging is already occurring on a **mass** scale, which causes the decline of 20% the entire forest area.

- A. small B. modest C. vast D. full

IV. Mark the letter A, B, C, or D to indicate the word(s) OPPOSITE in meaning to the underlined word(s) in each of the following questions.

- We always turn off all the electric appliances after working hours to **conserve** energy in the office.
A. save B. overuse C. have D. produce
- Something must **definitely** be done about global warming or wildfires will start more easily and spread more rapidly.
A. undoubtedly B. surely C. certainly D. possibly

GRAMMAR

V. Combine the words provided in the box to make compound nouns and use them to complete the following sentences.

life	national	food	wild	city	resources	chain
centre	forest	living	park	tropical	things	natural

- This nature reserve is a haven for birds and other _____ .
- I don't want to move to the quiet suburbs because I have been used to the busy _____ .
- Africa is a continent rich in _____ including platinum, gold and uranium.
- The whole _____ is under threat because of the overuse of pesticides in agriculture.
- Yellowstone is the most famous _____ in the USA covering 3,500 square miles with hundreds of animal species, lush forests and hot springs.
- A character of the vegetation of the _____ in this area is large and tall trees.
- The underground _____ is full of newish and expensive automobiles.

VI. Circle the correct option to complete each of the following sentences.

- If you want to buy a new pair of boots, go to the new **shoes shop / shoe shop** in the mall.
- Any **living thing/ thing living** has the ability to eat, reproduce and use energy to grow.
- High temperatures cause major bleaching on **coral reefs/ coral's reefs**.
- Due to heavy fog, the number of **accidents of the road/ road accidents** increased dramatically last week.
- Global warming/ Globe warming** is the long-term warming of the planet's overall temperature.

VII. Mark the letter A, B, C, or D to indicate the underlined part that needs correction in each of the following questions.

- A coral reef is one of the most biodiversity ecosystems in the world that is a source of food and medicines and protect coastlines from storms.
A B C

D

2. Sea level rise increases the risk of coastal floodings and has intensified the impact of storms.

A B C D

3. Although shipping is considered one of the lowest emitting means of transportation,

A B C

but the industry accounts for nearly 3% of global emissions.

D

4. You should draw up a long-termed plan which includes creating new areas of habitat,

A B

restoring existing habitats or leaving some areas wild.

C D

5. The park welcomes volunteers at its nine visitors' centres at its headquarters and

A B C D

project areas.

SKILLS

READING

I. Read the following passage and mark the letter A, B, C, or D to indicate the correct word or phrase that best fits each of the numbered blanks from 1 to 5.

If the world's ocean is a country, it would be the seventh largest economy in the world. It is (1) _____ around \$2.5 trillion and 40% of the world's population depend on the biodiversity and services it provides, including for food, fresh water, renewable energy, tourism and trade are just a few examples. The seas also absorb about 30% of (2) _____ CO2 emissions and more than 90% of the excess heat in our climate system.

(3) _____, persuading the public to save great seascapes presents a special challenge. While they belong to all Americans, just like national parks on land, few people will ever see them (4) _____. People can hike into the Grand Canyon, but it takes a submarine to visit the Seamounts, along and beyond the edge of the continental shelf. In 2022 alone, more than four million people (5) _____ Yellowstone but most Americans will never swim with the whale on Cashes.

- | | | | |
|------------------------|--------------------|-----------------------|-------------------|
| 1. A. worth | B. deserving | C. useful | D. beneficial |
| 2. A. human-generation | | B. human-generational | |
| | C. human-generated | D. human-generating | |
| 3. A. Moreover | B. In addition | C. However | D. In other words |
| 4. A. in person | B. at first | C. by accident | D. on purpose |
| 5. A. will visit | B. have visited | C. were visiting | D. visited |

II. Read the following web article and decide whether the following statements are true (T) or false (F)

The ocean is home to treasure house of biodiversity, and evidence is showing that protecting such significant local areas builds resilience to climate change - and can even help regenerate what has been lost.

Climate change has begun to compound the pollution and overfishing that wiped out an estimated half of all commercial fish since 1970. The oceans are absorbing most of the heat caused by our carbon emissions and 30 percent of the carbon dioxide itself. Sea surface temperatures are at record highs. The water has become 30 percent more acidic since the industrial revolution.

The changes may be invisible, but increasingly, the effects are not. The Gulf of Main is warming faster than almost any other ocean region on Earth - and on Machias Sea Island, a popular destination for bird watching tours, puffin chicks are starving to death by the hundreds. In southern Florida the higher ocean temperatures have boosted the toxic algae blooms that emptied beaches and hotels last summer. And around the world, many of the largest, most colourful coral gardens have gone tombstone gray. The worst coral bleaching on record was triggered in 2014 by ocean warming caused by greenhouse gases.

Human-caused global warming has also worsened hurricane impacts in the United States by increasing the intensity and decreasing the speed at which they travel. A hurricane can lash the land with 25-foot waves and 150 mile-an-hour winds, destroying the coral reefs and cause 10- 15 percent more precipitation. In 2017 Hurricane Harvey dropped more than 60 inches in some locations and Hurricane Florence in 2018 demonstrated the devastating floods.

1. About 50% of all commercial fish is swept away by the sole reason of climate change. _____
2. Ocean acidification has increased 30% since the industrial revolution. _____
3. Tourists didn't come to beaches in southern Florida because the temperature was too high. _____
4. The year 2014 saw the most severe coral bleaching in the whole human history. _____
5. According to the passage, a low speed hurricane will cause fewer heavy impacts than a high speed one. _____

III. Read the following passage and mark the letter A, B, C to match with the descriptions 1-5.

A. Kruger National Park

It is one of the world's greatest wildlife-watching destinations. Some of the most iconic species including elephant, lion, cheetah and zebra share the bushveld with 136 other mammals and more than 500 bird species. Beautiful pepper hills in the south, tropical forests covering northern part and the savanna in the east encourage the diversity in landscapes.

Undeniably, you may have to wait in line to see majestic wild creatures up close. On the flip side, the park's vast network of roads makes this one of Africa's most accessible parks and well- suited for families. You can explore with your own vehicle or join a huge range of guided wildlife safaris, and accommodation is plentiful and great value.

B. Table Mountain National Park

One of the most iconic sights in the whole of South Africa is Table Mountain which forms the impressive backdrop to the city of Cape Town. This immense plateau that is often topped with fluffy white clouds is awe-inspiring to visit. For the vast majority of visitors, the main attraction is the 1085m-high, table-flat plateau, the top of which can easily be accessed by cableway from the outskirts of Cape Town. For those who like to hike, numerous twisting trails of varying difficulty levels can make their way up the side of Table Mountain and the view on the hikes slowly gets better and better the higher you go. At the top incredible panoramas of Cape Town and the surrounding ocean will make the trek all worth it.

C. Mapungubwe National Park

The park is a UNESCO World Heritage site which contains South Africa's most significant Iron Age area. The wildlife-watching is excellent, as is the bird-watching, and lions, leopards and elephants are commonly spotted but the park is as much about history as wildlife - archeological finds uncovered in the 1930s are displayed at the excellent Interpretation Center.

(Adapted from <https://www.lonelyplanet.com>)

1. Tourists who want to find good chances to spot wildlife animals should go there.	_____
2. There are different ways to get to the top of the plateau and behold Cape Town.	_____
3. Sometimes, the park becomes crowded with safari groups.	_____
4. This park indicates historical importance and offers a diverse ecosystem.	_____
5 This park has been qualified as a world's landmark with protection by an international convention.	_____

SPEAKING

IV. Mark the letter A, B, C, or D to indicate the option that best completes each of the following exchanges.

1. - "Have you ever visited the Yosemite National Park?"

- " _____ "

- A. I have visited three different national parks in the USA.
- B. It is one of ten best wildlife reserves in the USA.
- C. Yes, I have read an article about its history in National Geographic.
- D. No, I have never been to any places like that before.

2. - "It is very kind of you to donate such a big amount of money to help protect native wildlife".

- " _____ "

- A. It makes my day to do that.
- B. It's no bother.
- C. That is amazing!
- D. I am very proud of you.

V. Complete the conversation with the expressions in the box.

- | |
|---|
| A. No way.
B. I am deeply concerned about air pollution.
C. How can we stop global warming? |
|---|

Minh: Lan, what environmental issue do you care the most about?

Lan: _____. It is particularly harmful to our health.

Minh: What about global warming? Do you think it is a joke?

Lan: _____. There is striking evidence of rising temperature and humans are behind it.

Minh: _____.

Lan: You can solve the problem by means of recycling, reducing and reusing.

WRITING

VI. Mark the letter A, B, C, or D to indicate the sentence that is closest in meaning to each of the following questions.

1. Due to contrasting arid and wet surroundings, Marakele National Park is home to a diverse exhibition of fauna and flora.
 - A. Marakele National Park has a diverse exhibition of fauna and flora despite the fact that the weather is dry and wet.
 - B. Even if the climate is diverse, Marakele National Park offers a diverse exhibition of fauna and flora.
 - C. As a result of different types of climate, Marakele National Park is native to a diverse exhibition of fauna and flora.
 - D. Marakele National Park can be home to a diverse exhibition of fauna and flora if the weather is less arid and wetter.
2. Though self-driving cars might overcome some problems like the number of cars on the road, the future requires car makers to sell few cars rather than many.
 - A. There are not as many self-driving cars on the road so car makers will sell fewer.
 - B. The future self-driving car makers will produce fewer cars so there will be not many of them on the road.
 - C. Now self-driving cars can be fewer but the producers will make more soon.
 - D. The number of self-driving cars on the road will be fewer if the makers no longer produce them.
3. Ocean acidification increases, resulting in fewer carbonate ions for creatures like crabs and lobsters to build their shells and skeletons.
 - A. Crabs and lobsters increase ocean acidification in the process of building their shells and skeletons.
 - B. Ocean acidification increases the number of creatures like crabs and lobsters who need carbonate ions to build their shells and skeletons.
 - C. Despite ocean acidification, fewer carbonate ions for creatures like crabs and lobsters to build their shells and skeletons are generated.
 - D. Ocean acidification is the reason for fewer carbonate ions available for creatures like crabs and lobsters to build their shells and skeletons.
4. If you have enough time, however, this national park is better explored on foot, with numerous walking trails.
 - A. The only way to explore this national park is on foot along the walking trails.
 - B. Exploring this national park on foot along the trail is better but more time-consuming.
 - C. If time is enough, the exploration of this national park on foot should be carried out.
 - D. This national park will be better if people explore it on foot from time to time.
5. Today there are more than 600 elephants in Addo Elephant National Park and you'd be very unlucky not to see some.
 - A. Among 600 elephants in Addo Elephant National Park, there are some very unlucky ones.
 - B. You'd be very unlucky to see some of the 600 elephants in Addo Elephant National Park.

C. Elephants in Addo Elephant National Park are so many and frequently-seen that if you can't see some of them, you are very unlucky.

D. You are very unlucky because there are more than 600 elephants in Addo Elephant National Park but you can't see any.

6. Such is its renown and prestige that this nature reserve attracts millions of international tourists every year.

A. This nature reserve is so renowned and prestigious that it attracts millions of international tourists every year.

B. The nature reserve attracts millions of international tourists in spite of the renown and prestige.

C. Millions of international tourists are so attractive that this nature reserve is renowned and prestigious.

D. It is such an attractive nature reserve that millions of international tourists are renowned and prestigious

7. We risk falling into robot uprisings, for the convincing reason that we are like to suffer from more diseases when not we but the robots do everything.

A. Diseases will be a convincing reason for us to make more use of robots in everyday activities.

B. The heavy use of robots will convince us that we will suffer from more diseases.

C. The robots will have to do so many things that they will be ill and provoke uprisings.

D. Depending on robots will weaken us and stand a chance of us facing robot rebellion.

VII. Write an opinion essay (150-180 words) presenting your point of view on whether electric cars can stop air pollution in big cities. You should include in your essay some of the following ideas:

For:

- Reduce emission of fuel.
- Stop oil drilling.
- Eco-friendly as they use renewable energy.
- Batteries are reused and recycled.

Against:

- One of the biggest contributors to air pollution is PM (particulate matter) which is not produced by the consumption of fossil fuels.
- The erosion of tires and brake as well as road dust are major sources of PM.
- In many countries, electricity is still generated from gas and coal.