

Second Term Exam

Part one : Reading : Read the text then do the activities.

High above the earth's atmosphere, there is a thin veil in the stratosphere called the Ozone layer which protects the earth from the sun's destructive ultraviolet (UV) rays.

This protective layer is being damaged by chemicals known as chloro-fluoro-carbons (CFCs) which are released into the atmosphere by the daily use of such industrial and household products as refrigerators, air conditioners, cleaning chemicals and food packaging .The CFCs rise into the Ozone layer where the sunlight decomposes them releasing chlorine. The chlorine attacks the ozone layer. The 'hole' allows more UV rays to reach the earth.

Overexposure to UV rays can increase the risk of skin cancer, weaken the immune system and damage the retina. It is estimated that in the United States alone, one in six Americans will develop skin cancer as a result of overexposure to UV rays.

Not only humans are at risk; so, too are animals, plants and the environment in general. With the thinning of the Ozone layer, UV rays can penetrate the oceans, seriously impairing the growth of plankton, an essential part of the marine life food chain, and can reduce the yields of economically important crops such as sea beans, cotton and rice.

Adapted from the Internet.

A) Comprehension/ Interpretation: (7pts)

1. The text is : a – an article b – a letter c – a story.
2. Say whether these statements are true or false according to the text.
 - a. CFCs protect the Ozone layer.
 - b. A 'hole' in the Ozone layer could cause skin cancer.
 - c. UV rays can harm plants and animals.
 - d. All sun rays are good for health.
3. In which paragraph are the following ideas mentioned?
 - a. Man is responsible for the destruction of the Ozone layer.
 - b. The 'hole' affects all living creatures.
4. Answer the following questions according to the text.
 - a. What is the Ozone layer?
 - b. What is happening to the Ozone layer?
 - c. What are the effects of UV rays on the environment?
5. What or who do these words refer to in the text?
 - a- which (§ 1)
 - b- them (§ 2)

B) Text Exploration: (8pts)

1) Find in the text words, expressions or phrases whose definitions follow:

- a) Defends, keeps safe from harm. (§1)
- b) Relating to the sea or, animals or plants that live in the sea. (§4)

2) Find in the text words that are opposite in meaning to the following:

- a) Thick (§1)
- b) prohibits (§2)
- c) strengthen (§3)
- d) decrease (§4)

3) Complete the following table as shown in the example:

Verbs	Nouns	Adjectives
To protect	Protection	protective
.....	destructive
To damage

4) Rewrite sentence **b** so that it means the same as sentence **a**

- A- a-The author said: “UV rays can increase the risk of skin cancer.”
- b-The author said that.....
- B- a- Humans ought to protect the environment.
- b-Humans

6) Fill in the gaps with words from the list: Kinds- mix – element - reaction

A chemical can happen when you..... two or more chemical elements together. A chemicalis made of only one kind of atom. There are more than 100 differentof atoms.

7) Classify the following words according to the number of their syllables.

Essential – damage – protective – life .

One syllable	Two syllables	Three syllables

Part two: Written Expression. (5points)

Choose only one topic.(A or B)

A) Using the following notes, write a composition of about 60 to 80 words about the following topic.

Air pollution is made up of many kinds of gases and particles that reduce the quantity of clean air in both the city and the countryside.

- a- **In the city:** - fumes of cars, airplanes, as well as factories – Swallow oxygen from the air rivers and seas . – poison the air with carbon dioxide. – irritate the eyes, throat and lungs.
- b- **In the countryside:** -dust from tractors ploughing fields. – fertilisers which contain phosphorus and nitrogen, smoke from wood and crop fires. –pesticides are toxic and cause health problems.

B) Write a composition of about 60 to 80 words on the following topic:

An American study (Paul Newman and colleagues) claims that by 2020, 17 % of global ozone is damaged and destroyed.

According to you, what are the measures that should be taken to protect the Ozone Layer?