Essadek Makhlouf Secondary School _Ain Smara_ School Year: 2021/2022
Classes: 1st Year Science and Technology Common Core (1+2 +3+4 +5) Duration: 2 hours

The Third Term Examination of English

Part One: READING (15 Points)

Read the text carefully and do the activities.

Carbon dioxide, methane, and other "greenhouse gases" trap heat that would otherwise escape Earth's atmosphere. In the right proportion, these gases do a critical job ensuring the atmosphere holds onto enough heat to support every kind of life on the planet. Without them, the Earth would lose so much heat that life as we know it would be impossible.

The problem arises when greenhouse gas levels get too high because of human activities, trapping too much of the sun's energy as heat and upset the natural systems that regulate our climate. Things keep getting hotter and hotter and we start seeing more and more extreme weather and other impacts.

Even small changes in the global average temperature can cause major and dangerous shifts in climate and weather. Just consider the difference between 0 and 1 degrees Celsius (or 32 and 33 degrees Fahrenheit) – that one degree means the difference between ice and water.

Now imagine that difference happening regularly for months. Imagine it happening in a region that depends on a natural cycle of winter snow building up and precipitation in the spring, feeding streams and rivers and supplying farms and communities with the water they need for everyday life. And that's just one example.

Plus, burning fossil fuels aren't the only thing contributing to rising levels of carbon dioxide. Trees are often called the Earth's lungs, thanks to their incredible ability to absorb and store carbon dioxide from the atmosphere. Deforestation – cutting down trees on a large scale for fuel, land, or other purposes – leads to more greenhouse gases in the atmosphere as more trees are burned and fewer are in the ground to absorb excess carbon dioxide.

From https://www.climaterealityproject.org

A) COMPREHENSION (8pts)

1. Write the letter that corresponds to the right answer. 1.5 pt

a) Every kind of life on Earth needs ..... .
   a) differences b) heat c) greenhouse gases

b) After deforestation, few trees remain in ..... .
   a) the forest b) nature c) the ground

c) Trees are often called the Earth's ..... .
   a) kidneys b) heart c) lungs

2. Read the text and put the following ideas in the right order they appear in the text. 2 pts

a) Big changes in world climate could happen even if with very few degrees.
b) Streams and rivers supply farms and people with water.
c) There will be an unbalance if there is absence of heat.
d) Many effects happen because of too much heat.

1)	2)	3)	4)

3. Answer the following questions according to the text. 3 pts

a) What happens when the problem of the greenhouse effect worsens?
b) Why are carbon dioxide, methane, and other gases important?
c) What are the things that make CO_2 levels high?

4. Choose the general idea of the text. 1.5 pt

a) The greenhouse effect is a positive thing for our planet.

b) The planet Earth is terribly menaced by some gases.
c) The Earth atmosphere is full of dangerous acids.

B) TEXT EXPLORATION *(7pts)*

1. Find in the text words or phrases that are opposite in meaning to the following. 1.5 pt

a) wrong (§1) ≠ ..... b) minor (§3) ≠ ..... c) lowering (§5) ≠ .....

2. Divide the following words into roots and affixes. 1.5 pt

deforestation , natural , unbreakable

Word	Prefix	Root	Suffix

3. Rewrite sentence (b) so that it means the same as sentence (b). 3 pts

1. a) The writer said, "These gases do a critical job".
   b) The writer said that .....
2. a) He added , "Change in climate can cause major and dangerous shift".
   b) He added that .....
3. a) He concluded, "Trees absorb and store carbon dioxide from the atmosphere".
   b) He concluded that .....

4. Fill in the gaps with words from the list given. 1 pt

animals - rivers - gases - environment - atmosphere

Air pollution occurs when harmful or excessive quantities of substances including .....1....., particles, and biological molecules are introduced into Earth's.....2..... It may cause diseases, allergies and even death to humans; it may also cause harm to other living organisms such as .....3..... and food crops, and may damage the natural or built .....4..... Both human activity and natural processes can generate air pollution.

Part Two: WRITTEN EXPRESSION *(5pts)*

Choose one of the following topics.

Either topic 1: Our planet is exposed to air pollution. In a composition of 100-120 words, tell us about the negative effects of this problem to humanity:
- a rise in lung diseases (asthma, bronchitis,...)
- increase in lung cancer
- a high blood pressure with children
- reduction of crop production in agriculture

Or Topic Two : Pollution is a dangerous problem. It is caused by many factors. In a composition of 100-120 words, give solutions to the problem.

Good Luck
Your teacher