ELARAKI SCHOOL
For Education and Learning

School Year : **2009 – 2010**

FIRST TERM EXAM

January 2010

First name : .....
Family name : .....

Grade : 3rd of JHS
Class : .....

Global Warming Climate Change Greenhouse Effect

Global warming, Greenhouse effect, Climate change. Undoubtedly, these words sum up the single biggest threat to humanity.

The overwhelming majority of scientists agree that our globe is undergoing major climate change. **They** also agree that the level of carbon dioxide in the atmosphere is rising significantly.

We can see from satellite images and research that the ice caps are melting faster, our sea levels are rising, and weather patterns are changing. We are experiencing more water shortages and we will see hurricanes, typhoons and cyclones increasing in ferocity and frequency. Without doubt, we have to change the way we live.

The earth has gone through many natural climatic cycles during its long history. The scary part is we are causing changes to happen at an unbelievable rate, much faster than normal. Burning fossil fuels pours out greenhouse gases at a life-threatening rate and causing global warming. Greenhouse Effect, Climate change.....they are all happening right now.

The greenhouse effect is actually responsible for life on Earth. How does this happen? The Earth's atmosphere contains some gases which are called greenhouse gases because they operate like the glass of a greenhouse. These gases trap some of the sun's heat and prevent **it** from escaping back into space. This way the planet's temperature is kept at a safe level (around 15° C).

Greenhouse gases :
The greenhouse gases which are mainly responsible for the problem of global warming are :
Carbon Dioxide (CO2) : This gas is responsible for over 60% of the problem. CO2 is produced by burning fossil fuels, like coal, oil and gas, to produce energy. For instance, smoke and fumes from vehicles and factories contain CO2, which pollute the air.
Methane : This gas causes about 15% of the problem and comes mainly from fertilisers and rubbish.
CFCs : These gases are responsible for about 24% of the greenhouse effect. They do not exist naturally but are made by man. CFCs are mainly used in fridges and aerosol sprays.

The problem :
The amount of greenhouse gases in the atmosphere is increasing because of pollution and as a result , the greenhouse effect is becoming stronger. More heat from the sun is trapped in the atmosphere and this is making the earth warmer than usual. Scientists predict that if this continues, the temperature will rise by 1.4_5.8°C this century. This 'global warming' will cause changes in the weather. Warmer weather could make the ice on poles melt, causing catastrophic floods.

The solutions :

- **We must cut down on fossil fuels.**
- **Environmentally friendly sources of energy, like the sun, wind and water should be used a lot more.**
- **There should be stricter laws to prevent factories from polluting the environment.**
- **Forests must be protected because trees absorb CO2.**
- **Fertilisers should be used less.**

- **We should try to produce less rubbish. Lots of things that we throw away can be recycled.**
- **The use of CFCs should not be allowed.**

I] Reading comprehension : (7points)

A) Choose the correct answer a, b or c (1 point)

1) Greenhouse gases
- **a**- make the Earth's temperature rise.
- **b**- don't trap enough heat.
- **c**- escape into space.

2) What is 'global warming'?
- **a**- a greenhouse gas.
- **b**- the heat that gases trap.
- **c**- the heating-up of the Earth.

B) Answer these questions. (1,5 point)

1) What are some of the effects we can expect from climate change according to researchers?

2) Why must we cut down on fossil fuels?

3) What sources of energy can be used instead of fossil fuels?

C) Are these sentences true or false ? Justify. (1 point)

1) Greenhouse gases regulate our climate .

2) Carbon Dioxide is the only gas responsible for global warming.

D) Find in the text words or expressions which mean the same as : (1,5 point)

1) rising (parag 3): ..... **2)** garbage (parag 6): .....

3) reduce: (parag 8).....

E) What do the underlined words in the text refer to : (1 point)

1) they: (para 2 line 2).....

2) it: (para 5 line 3).....

II] Language : (7 points)

A/ Rewrite the following sentences as indicated. .(1 pt)

1. They will go fishing if it doesn't rain.
   Unless.....
2. Salma's parents don't let her stay out late .
   Salma isn't .....

B/ Give the correct form of the verbs in brackets . .(2 pts)

Last week Nabil was on his uncle's farm. While he **(ride)** a horse , he **(fall)** off and **(break)** his arm. He **(not be)** to the farm since then.

C/ Fill in the blanks with the appropriate word from the box.(2 pts)

must - affects - won't - don't - effects - pride - proud - might

1. Global warming .....both plant and animal life.
2. Loubna was .....that her daughter had so much talent.
3. John: What do you think you'll do with those two weeks you have off in July?
   Sam: I ..... go to New York or Boston, but I'm not sure.
4." You will come the party, ... you?" he said to her.

D/ Give the correct form of the words in brackets. (1 pt)

1. You should be more **(care)** .....when you are working on electrical equipment.
2. Leila and Zineb are both doctors, but that is where the **(similar)** ends.

E) Complete the unfinished words. The first letters are given: (1pt)

1) The young lady who had k- - - - - - - - Oliver was one of Fagin's pupils. She was very good at lying and d- - - - - - - - people.

III.Writing (6 points)

You are spending a few weeks in another country. Write an e-mail to a Moroccan friend telling him/ her about the things you have learnt and discovered about teenagers' life in that country.
These ideas may help you:

- Parents /teenagers relationships.
- The things teenagers are allowed/ not allowed to do.
- The minimum age limits for marriage, voting....