# UNIT 6 – GLOBAL WARMING
## Worksheet 1

**EXERCISE 1: Choose the word that has a different stress pattern from the other three by circling A, B, C, or D.**

| | | | |
|---|---|---|---|
| 1. A. global | B. petrol | C. product | D. resource |
| 2. A. amount | B. duty | C. perfect | D. warming |
| 3. A. absorb | B. diverse | C. reduce | D. teacher |
| 4. A. architect | B. beautiful | C. factory | D. pollution |
| 5. A. analyze | B. educate | C. emission | D. natural |

**EXERCISE 2: Choose the word whose underlined part is pronounced differently from the others.**

| | | | |
|---|---|---|---|
| 1. A. **a**verage | B. **a**bsorb | C. **a**wareness | D. **a**larming |
| 2. A. capture | B. mature | C. nurture | D. temperature |
| 3. A. **c**onservation | B. s**c**ene | C.in**c**rease | D. e**c**ology |
| 4. A. short**age** | B. aver**age** | C. mess**age** | D. mass**age** |

**EXERCISE 3: Choose the best answer which best fits each space in each sentence.**

1. After we read the report on how the burning of petrol in cars_____to climate change, we were determined to reduce our carbon footprint.

A. devote B. contribute C. result D. cause

2. Overharvesting brought North American alligators to_____in their natural habitats.

A. nearly extinct B. near extinction C. extinct near D. extinction nearly

3. You will be more willing to change your lifestyle if you understand the_____of global warming.

A. effect B. affect C. influence D. impact

4. The deforestation for farmland, wood and paper contributes_____higher temperatures which lead_____the melting of polar ice caps and rising of sea levels.

A. to/to B. for/to C. to/in D. in/at

5. The main threat to the survival of these creatures comes from their loss of_____.

A. habitation B. habitat C. habitant D. inhabitant

6. _____for twelve hours, I felt marvelous.

A. Having slept B. Have slept C. Having been slept D. Have been slept

7. Tom was accused of_____some top secret document.

A. steal B. having stolen C. stealing D. to have stolen

8. I object to him_____private calls on the office phone.

A. having made B. to have made

C. to have been made D. having been made

9. Air pollution poses a_____to both human health and our environment.

A. jeopardy B. difficulty C. problem D. threat

10. "I regret_____so much trouble". – "Well. Let's forget all about that."


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A. caused B. to cause C. having caused D. to have caused

**EXERCISE 3: Fill in the missing words from the word bank. You may have to change the form.**

| | | | |
|---|---|---|---|
| global warming | water pollution | chemical fertilizers | ecological balance |
| deforestation | emission | catastrophic | |

1. We are all beginning to experience..... due to the enhanced greenhouse effect.
2. Global warming occurs when the..... in the atmosphere trap the heat from the sun.
3.from factories is one of the reasons causing serious pollution to a large area.
4.throughout the world can be problem for people and living organisms in need of safe drinking water.
5. Some people try to reduce their .....because they are concerned about climate change.
6.has been shown to cause floods and drought.
7. Everyone would like to avoid .....natural disasters at all cost.
8. Certain human activities such as burning of fossil fuels and changes in land use have been identified as primary causes of ongoing....., often referred to as global warming.
9. The environmentalist stressed on cultivation of herbal plants and protection of wild life for ……..
10. …….. may result in fruits and vegetables with lower nutritional value and less flavor.

**EXERCISE 4: Complete the following passage, using the correct form of the words in brackets.**

Global warming is one of the big environmental problems in current time. According to the researchers, heating impact, caused by excessive (1.EMIT) …….. of greenhouse gases, is the main reason of global warming. It is very dangerous and harmful to the (2.EXIST) .....of life in future on the earth. Because of global warming, sea level is increasing regularly which is creating the fear of flood in lower lying (3.COAST) …….. areas and cities. Because of flood some countries may finish (4.COMPLETE) …….. in the near future. It is changing the weather patterns regularly; due to this some places on earth are facing severe droughts, flood, and various (5.COMMON) …….. weather conditions.

Carbon dioxide is one of the main greenhouse gases, the (6.INCREASE) ..... amount of which is causing a warming effect on the earth surface which in turn causes (7.EVAPORATE) …….. of more water and creates water vapor. In this way, the levels of greenhouse gases in the atmosphere are increasing and (8.CREATE) …….. more warming effect. $CO_2$ level is also increasing because of the burning fossil fuels. Other greenhouse gases like Sulfur, CFCs, Methane, etc. are also (9.RESPONSIBILITY) ..... for increasing global warming. The level of these gases is increasing due to the population growth, urbanization, industrialization, technological (10. ADVANCE) …….. and deforestation.

**EXERCISE 5: Read the passage and choose the correct answer (A, B or C) to each of the folloing questions.**

Deforestation is considered to be one of the contributing factors to global climate change. According to Michael Daley, associate professor of environmental science at Lasell College in Newton, Massachusetts, the No.1 problem caused by deforestation is the impact on the global carbon cycle. Gas


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molecules that absorb thermal infrared radiation are called greenhouse gases. If greenhouse gases are in large enough quantity, they can force climate change, according to Daley. While oxygen ($O_2$) is the second most abundant gas in our atmosphere, it does not absorb thermal infrared radiation, as greenhouse gases do. Carbon dioxide ($CO_2$) is the most prevalent greenhouse gas. In 2012, $CO_2$ accounted for about 82 percent of all U.S. greenhouse gas, according to the Environmental Protection Agency. Trees can help, though. 300 billion tons of carbon, 40 times the annual greenhouse gas emissions from fossil fuels, is stored in trees, according to Greenpeace.

The deforestation of trees not only lessens the amount of carbon stored, **it** also releases carbon dioxide into the air. This is because when trees die, they release the stored carbon. According to the 2010 Global Forest Resources Assessment, deforestation releases nearly a billion tons of carbon into the atmosphere per year, though the numbers are not as high as the ones recorded in the previous decade. Deforestation is the second largest human-caused source of carbon dioxide to the atmosphere, ranging between 6 percent and 17 percent.

Carbon isn't the only greenhouse gas that is affected by deforestation. Water vapor is also considered a greenhouse gas. "The impact of deforestation on the exchange of water vapor and carbon dioxide between the atmosphere and the terrestrial land surface is the biggest concern with regard to the climate system," said Daley. Changes in their atmospheric concentration will have a direct effect on climate. Deforestation has decreased global vapor flows from land by 4 percent, according to a study published by the National Academy of Sciences. Even this slight change in vapor flows can disrupt natural weather patterns and change current climate models.

1. What would be the best title for the passage?

A. Deforestation and greenhouse effects.

B. Deforestation and global vapor.

C. Deforestation and climate change.

2. According to the passage, what is the major impact of deforestation?

A. global climate change.

B. the problem of global carbon cycle.

C. change in vapor flows.

3. Greenhouse gases are formed by …….

A. the absorption of thermal infrared radiation.

B. the absorption of carbon dioxide.

C. the consumption of fossil fuels.

4. Which of the following refuses to absorb thermal infrared radiation?

A. Carbon dioxide B. Greenhouse gases C. Oxygen

5. What does the pronoun **it** in the second paragraph refer to?

A. the annual greenhouse gas

B. the deforestation of trees

C. the amount of carbon stored

6. The present climate patterns can be directly affected by a slight change in ……..

A. the amount of $O_2$ in the air


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B. the quantity of $CO_2$ in the atmosphere

C. vapor flows

**EXERCISE 6: Complete the second sentence, using NO MORE THAN 5 WORDS, including the word given in capitals, so that the meaning stays the same as the first one.**

1. It was difficult for Nam to decide whether to buy a fridge or not. **DECISION**

→ Buying a fridge or not was …….. for Nam

2. All the factories in the area were forced to close down because they polluted the environment with their chemical waste. **HAVING**

→ …….. their chemical waste, all the factories in the area were forced to close down.

3. Jimmy was thankful because she was invited to the farewell party. **INVITED**

→ Jimmy was thankful for ..... to the farewell party.

4. David was taken to the police station because he chopped down over a hundred trees. **CHOPPED**

→ David was taken to the police station for …….. over a hundred trees.

5. Before Emma went out, she had turned off all the lights. **TURNED**

→ …….. lights, Emma went out.

**EXERCISE 7: Gap - filling: Choose the suitable words from the box to complete the sentences.**

| | | | | | |
|---|---|---|---|---|---|
| *came up* | *disrupted* | *upset* | *identified* | *suffering* | |
| *suspect* | *fertilizer* | *went* | *through* | *numerous* | *alternatives* |

1. He spread_____on the field with a rake.
2. Many companies are _____from a shortage of skilled staff.
3. She_____with a new idea for increasing sales.
4. She_____the company's accounts, looking for evidence of fraud.
5. He arrived an hour late and_____all our arrangements.
6. We can agree to their terms or else pull out of the deal completely: those are the two_____
7. Scientists have_____a link between diet and cancer.
8. If you_____a gas leak, do not strike a match or even turn on an electric light.
9. The advantages of this system are too_____to mention.
10. Bus services will be_____tomorrow because of the bridge closure.


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