

Name: _____ Grade: _____ Date: _____

UNIT TEST

ENVIRONMENTAL BIOLOGY

POLLUTION

MULTIPLE CHOICE SECTION

INSTRUCTIONS: Choose the letter that best answers the following questions.

1. Which one shows a major way in which untreated sewage harms fish in the sea?
 - a. Bacteria sewage using up much oxygen the fish needs to breathe
 - b. Decreasing the amount of food available
 - c. Increasing the temperatures of the water

2. Which is a disadvantage of using pesticides to spray crops?
 - a. They help to prevent the spread of malaria
 - b. They increase the production of crops
 - c. They kill pests which destroy crops
 - d. They kill some of the animals that are not crops

3. The diagram below shows solid waste found in the sea.



P



Q

Why is **Q** more harmful than **P**?

- a. Bacteria can grow in **Q**
- b. **Q** is made of dangerous chemicals
- c. **Q** takes a long time to breakdown
- d. **Q** will trap air

4. Which type of chemical will lead to a lack of dissolved oxygen for aquatic organisms?

- a. Fertilizers
- b. Herbicides
- c. Insecticides
- d. Pesticides

5. Which pollutant correctly matches the effect it has on the environment?

	Pollutant	Effect
A	Carbon dioxide	Causes ozone depletion
B	Chlorofluorocarbon	Causes eutrophication
C	Sulphur oxide	Causes acid rain
D	Smoke	Causes enhanced greenhouse effect

6. Which product is biodegradable?

- a. Glass
- b. Metal
- c. Plastic
- d. Wood

SHORT ANSWER SECTION

7. **INSTRUCTIONS:** Answer ALL parts of the questions below.

The Illustration below depicts various forms of pollution.



a. Define the following: Pollution, pollutant (2)

b. Name **TWO** forms of pollution visible in the illustration and provide an example for each. (2)

c. What is Eutrophication and what type of problems can this pose? (2)

d. Name **TWO** disease related to air pollution. (2)

e. Name **TWO** elements that makes up chlorofluorocarbon (2)

8. ESSAY QUESTION

INSTRUCTIONS: Choose **TWO** questions to answer for the following below (**a-c**). Answer **ALL** parts of the questions of your choosing.

- a. Describe **FOUR** adverse effects of pollution by land. (8)

- b. Describe the severity of the greenhouse effect. Be sure to mention: what it is/ how its caused, gases associated with the phenomena, long term/short term effects, solution to mitigate the problem. (8)

- c. Describe the chemical component of chlorofluorocarbon. Be sure to mention: what it is, what why was it created, what problem does it pose, long term/ short term effects, solution to mitigate the problem. (8)

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This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines running across the width of the page, providing a guide for handwriting or typing. The background is a clean, solid white color.

TOTAL: _____/32