

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 make 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)

TOTAL: _____ /32