



Name: _____

Date: _____

School Name: _____

General Instructions:

Read the instructions below before answering the following questions.

1. This test contains 10 questions. Questions are taken from the topics:

- ✓ Solid waste pollution
- ✓ Climate Change
- ✓ The Environment
- ✓ Light and sound

space is provided for you to answer each question.

2. Questions may be anyone of the following item type:

- ✓ Constructed Response – Short and Extended
- ✓ Table Grid,
- ✓ Single and multiple Selected Response

3. All questions must be answered in the provided space and remember to explain your answer where it is required.

4. Read each question carefully. Then answer questions based on instructions given.

5. For each question, where options are given to choose from, indicate the answer(s) you have selected for each question by circling the corresponding letter(s) from the given options.

Answer ALL the questions as instructed.



Read and Answer each of the following questions as instructed.

1. When you are riding a bicycle at night, your bicycle's reflections help drivers to see your bicycle. How do bicycle reflectors work?
 - a. They are made of special material that gives off its own light.
 - b. They are hooked up to batteries that allow them to produce light.
 - c. They are covered with paint that glows in the dark.
 - d. They bounce light back from other sources.
2. A student sees a mirror image of a duck in the water of the lake. What causes the mirror image?
 - a. Black light coming from under the water.
 - b. Refracted light bending through the water.
 - c. Reflected light bounce off the surface of the water.
 - d. Absorbed light given off by the water.
3. Minerals in the soil are very important to produce healthy crops. Give a brief explanation why this is so.

4. Explain why soil is important to living organisms including humans and plants.



5. Name two vectors that can spread diseases and describe ways by which these vectors can be controlled.

6. Outline ways by which your class can reduce solid wastes disposal at your school.

Examine the following items carefully.



7. Explain the impact of these household items on climate change.

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice. There are no margins, text, or other markings on the page.



8. What are 5 possible actions you can take to safeguard against climate change? Write two advantages and two disadvantages of each action to complete the table below.

Action	Advantages	Disadvantages



9. For each item below, fill in the blank spaces. If the right column is blank, give a brief description or definition. If the left column is blank, give the correct term.

Term	Description
	Shape like the inside of a spoon
Focal point	
	Materials that transmit most light
Refraction	
Convex lens	
	A clear optical tool that refracts light

10. Apply all the information you have learn about the ecosystem and create a poster illustrating an ecosystem in an aquarium, describing all the **biotic** and **abiotic** factors.