

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### THIRD TERM E-LEARNING NOTE

**SUBJECT: BASIC SCIENCE**

**CLASS: JSS 1**

#### SCHEME OF WORK

WEEK	TOPIC
1.	ENVIRONMENTAL POLLUTION(I)
2.	ENVIRONMENTAL POLLUTION (II)
3.	FORCES
4.	CALCULATIONS OF GRAVITATIONAL FORCE
5.	SPACE TRAVEL
6.	GRAVITATION AND WEIGHTLESSNESS
7 – 8.	EARTH IN SPACE
9.	SATELLITES
10.	REVISION

#### REFERENCE

Precious seed BASIC SCIENCE FOR JUNIOR SECONDARY SCHOOLS BOOK 1

#### WEEK ONE

##### ENVIRONMENTAL POLLUTION (I)

Pollution occurs when pollutants contaminate the natural surroundings; which brings about changes that affect our normal lifestyles adversely. “Pollution is the introduction of contaminants into the environment that cause harm or discomfort to humans or other living organisms, or that damage the environment” which can come “in the form of chemical substances, or energy such as noise, heat or light”.

##### Types of pollution

- Water Pollution
- Air Pollution
- Soil Pollution

##### WATER POLLUTION

“Water Pollution” is the type of pollution that involves the contamination of various water bodies. Various aquatic creatures depend on these water bodies and its natural nutritious features to support its life. Water pollutants include insecticides and herbicides, food processing waste, pollutants from livestock operations, volatile organic compounds (VOCs), heavy metals, chemical waste and others.

##### EVALUATION

1. What is pollution?
2. Mention three types of pollution.

##### CAUSES OF WATER POLLUTION

**Industrial waste** gets dumped into these water bodies. This causes a chemical imbalance in the water leading to death of the aquatic beings.

**Insecticides, pesticides and ripening chemicals** that are used on plants run into the ground water system or nearby streams.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Washing clothes near lakes and rivers** causes detergents also causes a condition called “Eutrophication” which blocks sunlight from entering inside and reduces oxygen values in the water causing an inhabitable environment.

‘**Oil Spills**’ are caused when giant oil tankers and oil rigs which are present in the oceans are damaged by either natural or human errors cause a long-time damage to the ocean as oil is lighter than water and floats on water forming a layer blocking sunlight.

Certain natural disasters like flash floods and hurricanes cause the intermixing of water with harmful substances on the land.

### **PREVENTIVE MEASURES**

People can take...