

SUVA SANGAM COLLEGE

YEAR 9

BASIC SCIENCE

WORKSHEET 8

Question 1

There are many organizations that help in the maintenance of the Biodiversity of most of our Pacific Island counties. These are Non-government Organization such as Biosecurity Authority and other Conservation Organization too.

- i) State some purposes of Biosecurity Authority of Fiji.
- ii) Give at least two natural way how is biodiversity, conservation and protected areas is maintained.
- iii) What does the Wildlife Conservation do?
- iv) Name two other N.G.O's that is present in Fiji that does the same work.

Question 2

Matter can be solid, liquid and gases. It is made up of small particles called atoms.

- i) Define matter.
- ii) What makes up an atom?
- iii) Differentiate between the atomic number and the atomic mass number in an atom or element.
- iv) Oxygen has the symbol $^{16}\text{O}_8$, the atomic mass number is 16 and the atomic number is 8. What is the number of protons, neutrons and electrons?

Question 3

- i) State the particle theory of matter.
- ii) Explain the change in state of liquid then to gases using the particle theory model?
- iii) Identify some physical properties of matter that enable them to be using in the following:
 - 1. rubber band in clothes-
 - 2. chair for dinner tables-