

SUVA SANGAM COLLEGE

YEAR 10

BASIC SCIENCE

WORKSHEET 8

Question 1

Fishing has been one way most Pacific Islander countries have been able to sustain it dietary supplements from past decades now. It has been identified that we have to maintain the practices that our elders have been following.

- i) Identify some fishing methods that have been implemented nowadays.
- ii) Give some traditional fishing methods that can help sustain the fish's population.
- iii) What are some ways we can do to sustain our fishes we have now for our children's children?

Question 2

Recently the issue of land has been discuss in the government and also in the social media. The land has been providing us with the food and resources that has been sustaining most of the Pacific Island countries.

- i) Define Conservation Farming.
- ii) What have human being been doing that have threaten the sustainability of nutrients and resources in the soil.
- iii) State some conservation farming practices that can be implemented to sustain our soil nutrients and water sources.

Question 3

Matter is anything that has a mass and occupies space and is also made up of small particle.

- i) Define the term atom.
- ii) Differentiate between atomic number and atomic mass.
- iii) An atom of Magnesium which has the symbol ${}_{24}\text{Mg}^{12}$.
 - a) What is the atomic number and mass number?
 - b) How many protons, neutrons and electrons in the above atom?
 - c) What is the electron configuration of Magnesium?
 - d) What is the valence electron of Magnesium?