



LESSON NOTES

School: Ba Sangam College
Subject: Agricultural Science

Year/ Name: 9 _____
Worksheet: 24

Strand	AS 9.4 Livestock
Sub Strand	AS 9.4.1 Fisheries
Content Learning Outcome	Explore challenges facing aquatic organisms and suggest possible solutions.

LESSON 1-5: CHALLENGES TO AQUATIC RESOURCES/STRATEGIES FOR DEALING WITH CHALLENGES FACING AQUATIC ORGANISMS/ AQUACULTURE/RAISING AQUATIC ORGANISMS/ HARVESTING OF AQUATIC ANIMALS/ POST HARVEST TREATMENT OF AQUATIC ORGANISMS

Lesson Outcome: At the end of this lesson the student will

- i) discuss challenges that aquatic resources face.
- ii) will discuss some methods aimed at sustaining aquatic resources.
- iii) discuss the methods used for farming aquatic organisms.
- iv) discuss the raising of aquatic organisms
- v) discuss some methods used for harvesting aquatic products.
- vi) discuss the postharvest methods used for aquatic organisms.

Notes:

Aquatic environments face many challenges including destructive harvesting methods, overharvesting and siltation.

Strategies have been used to help address the challenges faced by aquatic organisms and their habitats.

Aquatic organisms are raised by bottom culture, suspended in water and in structures including pens and ponds.

Aquatic organisms raised in structures must be well provided for and managed to allow them to grow to their potential.

Modern methods and equipment used to harvest aquatic organisms have developed based on traditional methods. Some of these methods are destructive to other aquatic organisms and habitat and should not be encouraged

Harvested aquatic resources are processed to form products and by-products, which have various uses.

Activity Worksheet 24

1. Discuss what happens to rubbish which is thrown in the sea.

(1 mark)

2. Imagine that you are the Minister in Charge of Fisheries in Fiji. Discuss what you would do to safeguard our aquatic resources.

(2 marks)

3. The diagram below illustrates shark feeding in Fiji. Discuss the impact that shark feeding has on the environment.



(2 marks)

4. Name at least four aquatic organisms which are raised in Fiji.

(1 mark)

5. Imagine that you have decided to develop the farm illustrated to raise salt water fish.

i) Describe the habitat that you would provide for the fish.

(2 marks)

6. With reference to the diagram in the textbook (pg. 179), how would you distinguish a fish which is suitable to eat and one that is not.

(2 marks)

7. Compare the cost, availability and nutritional value of canned tuna and fresh tuna.

8. Choose one aquatic organism that is harvested for use in Fiji.

- i. Describe how the organism is processed and the product it is made into.

(3 marks)