

University of Guyana
Department of Biology
Phycology Lab 2 - 2022/23 (28 Marks)

Title: Collecting and pressing algae

Aim: To collect and press algae for the herbarium.

Introduction:

Pressing algae for preservation follows a similar method as with plants. This process includes collecting the specimens and recording the essential information for the labels for future reference. Here you are asked to collect a sample of *Macrocystis pyrifera* (giant kelp) specimen for preservation and storage.

Questions:

1. Give the full scientific classification of this species
2. Explain how to make a press and identify tips for good pressing.
3. Make a label for your specimen with all the requisite information.
4. Algae have the characteristic thallus.
 - a. What type of thallus is observed in *M. pyrifera*?
 - b. List six other thallus forms and identify one species with each of the forms.

Report Format

Title:

Aim:

Introduction: (1)

Method: (6)

Discussion: (20)

Reference: (1)

Notes:

- Font type: Times New Roman, size 12 with 1.5 spacing, and 1" margins.
- Should not exceed three pages, excluding reference and cover pages (letter size: 8.5" x 11") for the lab.
- References should be written according to APA format.
- While the lab is hypothetical/theoretical, you are encouraged to use diagrammatic representations.
- Submission is to be made in groups of two students by October 6, 2022.