Name: Period:	Date:
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Lab: Identifying Algae

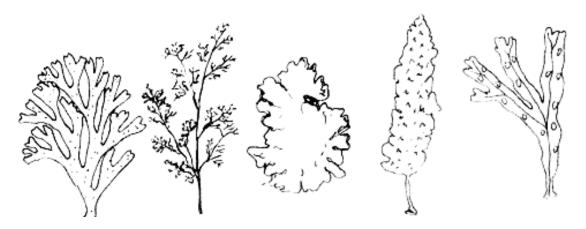
<u>Purpose</u>: Using a dichotomous key, you will learn to identify 4 different species of algae commonly found in the New England area.

Materials:

- 4 unidentified algal species
- "Illustrated Key to the Seaweeds of New England" dichotomous key
- Worksheet on morphology of algae.
- Record/Observation sheet

<u>Procedure:</u>

- 1. Working in pairs, go to one of the lab stations set up around the room. There are a total of 4 different stations you will need to visit in this activity.
- 2. Once at the station, determine whether you are observing a species of green, red of brown algae.
- 3. Use a dichotomous key to identify the algal species. (A dichotomous key is a tool used by scientists that helps to identify organisms. It is similar to a 'choose your own adventure book'; at each point, you will be given two choices of where to go next.)
- 4. You are responsible for recording each step you have taken in identifying the algae. This must be recorded on your record/observation sheet.
- 5. Once you have identified the species of algae, make a simple pencil diagram of the specimen.
- 6. Continue through the 4 stations to complete the lab activity.



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Record/Observation Sheet

STATION #1	
Identification Steps:	
•	
•	
N CAL	
Name of Algae:	•
Drawing:	
STATION #2	
Identification Steps:	
•	
•	
•	
Name of Algae:	
Drawing:	

Name:	Period:	_ Date:
CTATION #2		
STATION #3 Identification Steps:		
denuncation steps.		
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•		
•		
•		
•		
Name of Algae:		
Drawing:		
Drawing.		
STATION #4		
Identification Steps:		
Name of Algae:		
Drawing:		
1		