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|  | EXPERIMENT #3 Your Own Sea Lettuce Laboratory  Materials Needed:  Salt Water  Sea Lettuce  Fertilizer with highest nitrate possible  Small fish tanks  Alternators  Plastic tubes  Measuring cups  3 Empty one gallon milk cartons  Sunlight  Stirring rod  Tape measure  Nitrate chemitest  Lab book  Pencil  2 five gallon buckets with lids  Plug  Power strip  **Procedure:**  1-Go to Fitzgerald Marine Reserve  2-Have naturalist break rock with Ulva on it  3-Place in fish tanks  4-Fill 2 five gallon buckets with fresh sea water  5-Take materials home  6-Measure Ulva and record height in lab book  7-Place an even amount of Ulva in each fish tank  8-Label each fish tank 1-4  9-Pour five cups sea water in fish tanks  10-Attach alternators to tubes and put one in each fish tank  11-Plug into power strip  12-After three days pour water out of fish tanks  13-Fill one gallon milk cartons with sea water  14-Mix one tablespoon of fertilizer with one milk carton of sea water and label it number two and stir  15-Mix 1/2 tablespoon of fertilizer with second milk carton of sea water and label it number three and stir  16-Mix 1/4 tablespoon of fertilizer with third milk carton of sea water and label it number four and stir  17-Fill first fish tank with eight cups plain sea water  18-Fill second fish tank with six cups sea water and two cups of number two milk carton water stirring before pouring  19-Fill third fish tank with six cups sea water and two cups of number three milk carton water stirring before pouring  20-Fill four fish tank with six cups sea water and two cups of number four milk carton water stirring before pouring  21-Do nitrate chemitest (procedure in experiment #1) on each fish tank  22-Record in lab book  23-After six days do nitrate chemitest on all four fish tanks  24-Take Ulva out of each fish tank and measure, recording the data in lab book  25-Pour water out of all four fish tanks  26-Repeat steps 17-22  27-After another six days repeat steps 23-26  28-Continue until Ulva dies or you have the data you need  [Experiment 1](http://docs.google.com/exp.html)  [Experiment 2](http://docs.google.com/exp2.html) |

*This Web Site is Best viewed with 256 or more colors.*

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