

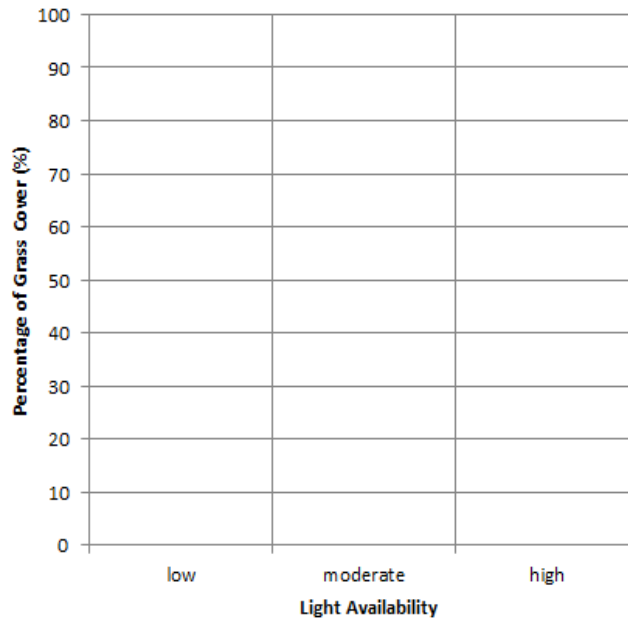


Data Analysis and Evaluation

Task One: Graph your results.

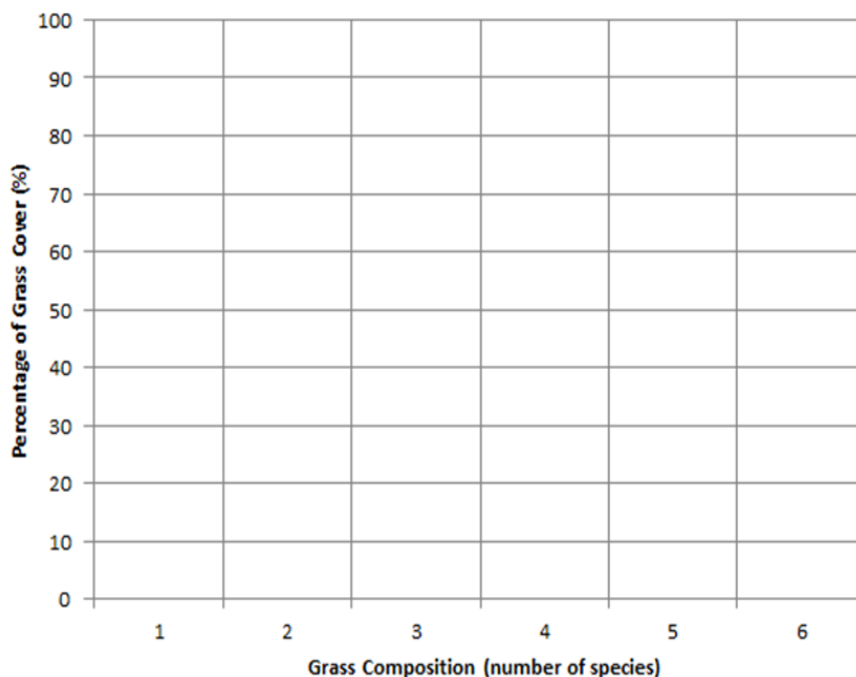
- a) Plot your data for percentage of grass cover and light availability by placing each of the site number (1 to 10) on the graph.

**Graph of percentage of Grass Cover
compared to light availability**



- b) Plot your data for percentage of grass cover and species composition (number of species) by placing each of the site number (1 to 10) on the graph.

**Graph of percentage of Grass Cover
compared to grass composition**





Task Two: Answer the following questions in full sentences.

a) Did you find grass was present in all your sample sites? Give some reasons that might explain this.

b) Did you find grass was not present in all your sample sites? Give some reasons that might explain this.

c) What might be the reasons that there would not be seagrass coverage in the ocean?

d) How did the density (percentage of coverage) of grass compare in each sample site?

e) Do you think the combined results of all your sites sampled accurately represent the larger study area (your school grounds)? Please explain. What might be some problems with the data you collected?



f) Was there a relationship between percentage of grass cover and light availability (in your first graph)? Explain why you think you might have seen this result.

g) Was there a relationship between percentage of grass cover and grass composition (in your second graph)? Explain why you think you might have seen this result.

h) If you were to do your sampling again, what things might you change? Why might you make these changes?

i) Do you think plot sampling is a good way to study large areas? Why or why not? Explain.

j) If you were a scientist studying this seagrass patch, do you think it is a healthy habitat? Please explain.
