

QUIZ: ROCKY INTERTIDAL DISTRIBUTION STUDY

1. Define:

density

quadrat

microhabitat

indicator species
2. What are the two major parts, or comparisons, made in this study?
3. How are you going to graph the data from the intertidal height part of the study?
4. What are the 3 hypotheses addressed in this study?
 - 1.
 - 2.
 - 3.
5. Given the data in the table on the other side of this paper calculate the relative abundance of the

species for which data is given.

Mean abundance per species per transect height

CALCULATION OF RELATIVE ABUNDANCE = (A, B, C / D x 100)							
	Transect Number				Relative Abundance		
	I	II	III	Sum A-C	I	II	III
Species	(A)	(B)	(C)	(D)	(E)	(F)	(G)
<i>Tegula gallina</i>	10	10	20				
<i>Balanus glandula</i>	15	30	5				

Construct a histogram of the Relative Species Abundance of the two species for Transects I (upper), II (middle), and III (lower)

Transect	I	II	III
	50	100	50
100		100	50

Species						
<i>Tegula gallina</i>						
<i>Balanus glandula</i>						