BIOLOGY LAB

Lab: Salt T	Colerance of Seeds	Names:	
Problem: Ho	ow will salt affect seed g	ermination?	
Hypothesis:			
Experiment:			
Materia			
	sealing plastic bags	paper toweling	
Small cups		marking pen	
Water		salt	
Small	l seeds (radish works wel	.1)	
Procedu	ire:		
1. So	oak 20 seeds in cups of fr	eshwater and 20 seeds in cup	s of salt water overnight.
2. Remove 20 seeds from the cup labeled water. Wrap the seeds in a paper towel. Moisten the			
towel with water and slide it into a self-sealing plastic bag. Label the bag with your group			
number, block letter, and the word water.			
3. Repeat step 2 for the seeds in salt water. Moisten the towel with water and label the bag with			
your group number, block letter, and the word salt.			
4. After 2 days, record the number of seeds that germinate in the data table. Germinating seeds			
show a root growing from the seeds.			
Data:			
		Number of Seeds Germi	nating
	In Water		
	In Salt Water		
	L		
Conclusions	:		
1. Did the	e germination rates differ	between treatments? If yes, I	now?
1. Did the	germmation rates arrier	between treatments. If yes, i	

2. What abiotic factor was tested in this experiment? What biotic factor was influenced?

3. Might all seeds respond to salt in a similar manner? How could you find out?