## Amoeba Sisters – "Natural Selection and the Bacterial Resistance"

	Name				
1.	What is one trait that the frogs of the same species have in common?				
2.	How do biologists define fitness?				
3.	Natural selection is a		of evolution.		
4.	Describe how bacteria evolve to become resistant to antibiotics.				
5.	Name one example of a type of bacteria that has evolved to become very resistant to antibiotics.				
6.	Why should you ONLY take antibiotics when you are sure you need them?				
7.	In your own words, what is Natural Selection?				
<b>Рерр</b> е 1.	ered Moth Simulation (link on What change happened to the	•	•	of the factory to answer these quevolution in England?	estions.
2.	What changes have been observed in the moth population in England since 1848?				
				est. Try to behave as a bird would behord the percent of moths captured in t	
		Percent Dar	k Moths	Percent Light Moth	s
Lie	ght Forest			8810	
Da	rk Forest	16		3° 4-	
	Analysis lain how the color of the moths	increases or decrea	ses their chance	es of survival.	
4. Exp	lain the concept of "natural sele	ction" using your me	oths as an exam	ple.	

5. What would happen if there were no predators in the forest? Would the colors of the moths change over time? Defend your answer.