	Amoeba Sisters – "Natural Selection and the Bacterial Resistance" (link #1 on class website)
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? Dered Moth Simulation (link #2 on class website)
	lick on the picture of the factory. Read and answer these questions.
	hat change happened to the environment during the industrial revolution in England?
2. W	hat changes have been observed in the moth population in England since 1848?
a bird	the simulation and play the role of the bird in both the dark and the light forest. Try to behave as d would behave, choosing the moths that are the most obvious. At the end of each simulation, are the percent of moths captured in the table on the next page.

Name_____

	Percent Dark Moths	Percent Light Moths
Light Forest		80010
Dark Forest		

Final Analysis

3. Explain how the color	r of the moths increases	or decreases their	chances of survival.
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4. Explain the concept	of "natural	selection"	' usina vour	moths as an	example.
T. Explain the concept	or matural	3010011011	asing your	mound as an	Champic

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

Click on Survival Game (link #3 on class website). Play the game a few times, at least until you win.

1. Explain what happened in the game. What did you have to do to survive?

2. Try the natural selection quiz. What was your score?