

Ecological Connections Project: THIS WILL COUNT AS AN ADDITIONAL TEST GRADE

- 1. Review the Feature Film: (*The Lion King*)**
- 2. Complete the following information within a Poster or multimedia presentation (*PowerPoint, Prezi, Etc...*)**

The following components require <u>SUPPORT FROM RELIABLE INTERNET SOURCES</u>. Readability is an expectation (neatness, clarity, grammar, and punctuation count).	Not Evident 0 pts	Fair 4-6 pts	Good 7-9 pts	Excellent 10 pts
Adaptive Behaviors: <u>Identifies and explain</u> two <u>different</u> adaptive behaviors represented in the film. How does your selected adaptation increase the organism's ability to survive within changing environmental limits? (Temperature, PH, Drought, Fire)				
Food Web / Energy Pyramid: Identify a food chain consisting of organisms in the movie. Include at least 4 organisms and be sure to identify which organisms are the producers, first level, secondary level, and tertiary level consumers. In addition, state the nutritional modality of the consumer (herbivore, carnivore, etc.) Include energy transferred at each trophic level beginning with 2,300.				
Energy Flow: During a lion and cub moment, Mufasa says to Simba, "everything you see exists in a delicate balance...respect all creatures" How can this quote be related to the concept of a food web or chain? What is the implied warning? What could happen if this balance is not respected? Indicate a scene in the movie that is an example of this loss of balance.				
Biogeochemical Cycles: What are Biogeochemical Cycles? List the major 5. Explain <u>in detail</u> how 2 biogeochemical cycles are represented in the film.				
Sustainability: Scar replacing Mufasa reflects a sustainable society being replaced by an unsustainable society. 1.) What does it mean to have a sustainable society? 2.) Describe two ways that the movie shows this change.				
Symbiotic Relationships: Describe a scene in which each of the following types of relationships are displayed. Discuss how the scene shows that particular type of relationship. <ol style="list-style-type: none"> 1. Commensalism 2. Parasitism 3. Mutualism 				

Biodiversity: List & explain 2 threats to biodiversity in the film. How can they be rectified?				
Predation vs. Competition Describe a scene(s) in which predation and competition relationships are displayed.				
Limiting Factors: List and explain 3 limiting factors in the film.				
Succession: <u>Identify and explain</u> how ecological succession is represented in the film.				
Human Impact: There are a variety of problems currently happening in the Savannah. Perform research to figure out one of the current human impact problems in this area. Once you determine the problem(s), brainstorm at least 10 different solution oriented ideas. Select one or two of these ideas and develop them further. Use the attached resource as a reference guide to help you select a problem. http://www.saburchill.com/chapters/chap0084.html				
SOURCES... SOURCES.... SOURCES Did you site your sources from research??				