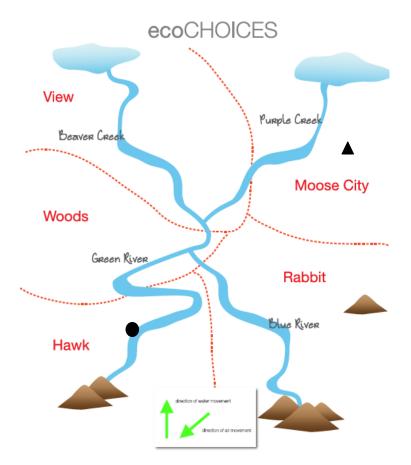
Eco-Choices Assessment

1. Use the diagram of Leopold County, shown below, to fill in the chart.



	What other towns	How would pollution	Are there any towns
	would be affected by	get to the towns?	that wouldn't be
	this spill?		affected?
Imagine that there			
•			
was a chemical spill in			
the town of Hawk,			
along the Green River			
at the black dot.			
Imagine that a new			
factory was built in			
Moose City, at the			
black triangle, which			
emits a lot of air			
pollution.			

2. Fill in the following charts, based on the decisions made during this game by your town or the towns of your classmates.

Choice	How does this choice improve the environment? Be specific: water/air quality, biodiversity	Why would this happen? Explain your reasoning.
Build houses on a		
farm that uses lots		
of chemicals		
Build a train or		
invest in buses for		
public transport		
Build windmills for		
energy		

Choice	How does this choice harm the environment? Be specific: water/air quality, biodiversity	Why would this happen? Explain your reasoning.
Build houses on a		
farm that uses lots		
of chemicals		
Build a train or		
invest in buses for		
public transport		
Build windmills for		
energy		

3. Think about the choices that your town made throughout the game. Summarize the changes that took place, using the following charts to help you.

	Ecosystem services levels	What was the reason for these levels of ecosystem services?
At the start of the game, your	Biodiversity:	
town had:	Water:	
	Air:	

	Choices	How did each choice affect the different ecosystem services? Explain.
What choices did you decide to make?	Land choice:	
	Water choice:	
	Air choice:	

How were your	Biodiversity - was the	Water quality - was	Air quality – was air
ecosystem services	biodiversity improved,	water quality improved,	quality improved, or
affected by the	or harmed? Why?	or harmed? Why?	harmed? Why?
choices made by the			
other towns?			
Hawk			
Rabbit			
Woods			
View			
Moose City			

- 4. Finally, focus on the county-level decision that was selected by your class.
 - a. What is the decision, and why was it selected as the best option?
 - b. How does this decision impact the ecosystem health of your town, as well as the rest of the county? Be sure to include why you think the ecosystem will be affected in the way you describe, using what you know about science to help you.
- 5. Imagine that the population of Moose City doubles in the next ten years. How might this impact your town, as well as the rest of the county?
- 6. Based on your experiences in this game, why is it difficult to make environmentally-friendly decisions?