Eco-Choices Pre-Assessment

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

ecoCHOICES

Hawk

Rabbit

Blue River

Beaver Creek

Woods

View

Green River

Purple Creek

Moose City

direction of water movement

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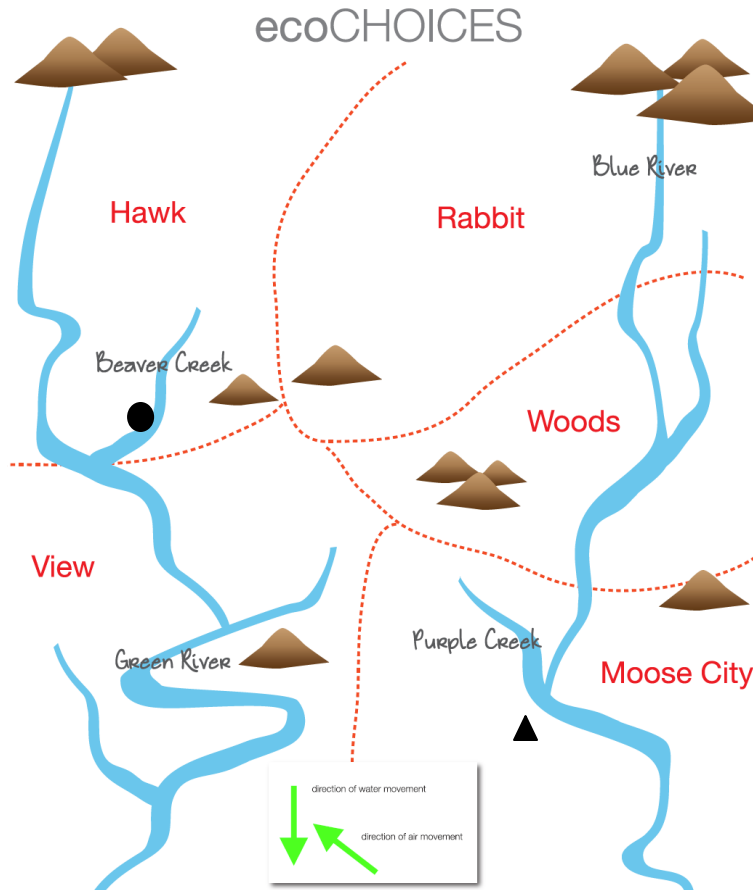
	What other towns would be affected by this spill?	How would pollution get to the towns?	Are there any towns that **wouldn't** be affected?
Imagine that there was a chemical spill in the town of Hawk, along the Green River at the black dot.			
Imagine that a new factory was built in Moose City, at the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

2. For each question, circle whether the choice affects an ecosystem service, either in a positive or a negative way. Then, explain what the impact will be, and how this might happen.

a. Build a power plant that uses coal.

Water Quality: Yes/No/I don't know	
Air Quality: Yes/No/I don't know	
Biodiversity: Yes/No/I don't know	

b. Build a train system for public transportation.

Water Quality: Yes/No/I don't know	
Air Quality: Yes/No/I don't know	
Biodiversity: Yes/No/I don't know	

c. Develop vacant lots into a small organic farm.

Water Quality: Yes/No/I don't know	
Air Quality: Yes/No/I don't know	
Biodiversity: Yes/No/I don't know	