

Sample Scoring Rubric for Reflection

Question	Suggested scoring rubric
<p>1. Describe the decisions that your town made for your air, water, and land “problems”. Explain, in your own words and using evidence from the game, how these decisions affected the ecosystem in your town.</p>	<p>4 = Student accurately describes the way in which decisions impacted the ecosystem, including explaining the mechanisms for how air quality, water quality, and biodiversity are affected. Student uses evidence from the eco-Choices game to explain the impact of the decisions.</p> <p>3= Student incorrectly explains how air quality, water quality, or biodiversity were affected.</p> <p>2= Student says that air quality, water quality, or biodiversity improved or got worse, but doesn’t explain how.</p> <p>1= Student says that the ecosystem will be affected, but doesn’t explain how.</p>
<p>2. Now, describe how your town was affected by decisions made in other parts of the county. a. What kind of pollution did you receive, and from where? b. How did this pollution move into your town? c. How is the game similar and different to the way in which real world pollution moves?</p>	<p>4= Student can explain how pollution moved, using the watershed and airshed as mechanisms for movement, and can explain how the game is similar and different to the real world (ignores groundwater, deposition).</p> <p>3= Student can explain how pollution moved, using the watershed and airshed as mechanisms for movement, but does not explain how the game is similar and different to the real world.</p> <p>2= Student accurately explains only one mechanism (water or air) for pollution movement.</p> <p>1= Student explains that pollution moves, but does not give a mechanism or gives an inappropriate mechanism.</p>
<p>3. Explain the final “greening” solution that you proposed. Then, explain why you think this solution was the best one for the county, citing evidence for improvements to the ecosystem.</p>	<p>4= Student explains the greening solution and uses evidence from all three aspects of ecosystem services in the game to support their position (air, water, biodiversity).</p> <p>3= Student explains the greening solution but only uses evidence from 2 of the 3 aspects of ecosystem services used in the game.</p> <p>2= Student explains the greening solution but only uses evidence from 1 of the 3 aspects of ecosystem services used in the game.</p> <p>1= Student explains the greening solution but does not use any evidence.</p>