

Episode Score Report for ANTHONYHICKS

Episode 1 Balancing Ecosystems:

Results

Environmental Balance (E):96/100

Business Balance (Ec):86/100

Social Balance (S):80/100

SimApp Game Rank:



Episode Reflection Responses

Question 1:

Outline what your next steps will be once you have gathered input from the community:

Target Word Count: 100-300 words

Actual word count: 63 words

Once I have gathered the need information, I will the develop a strategy on how to safely decrease they carp population while not hurting the other species. This plan will need to be one that addresses any future issues as well considering that the carp species continuously finds ways to regenerate despite measures being put in place at their intorduction to the habitat.

Question 2:

List two possible solutions to the grass carp problem and include a short description for each.

Target Response Word Count: 100-300 words

Actual word count: 183 words

One solution could be implementing a catch and release program where on at least one day a week parents can bring the children out for a little sport fishing training. On this day, all fish that are caught, except the carp, would be thrown back keeping only the carp. This may only have a small impact on the carp population, but it increases fishing enthusiasm and potentially creates more fishermen through youth exposure.

Through our research, we could identify a predator for larger carp and discuss the possibility of introducing that species into the environment. There are also local predators of the carp up to a certain size that could also be introduced and have little effect on the native fish.

Identifying a safe means of extermination may be the most effective from both a cost and time perspective. The trouble would be the potential damage that could be done to the native fish. It will take some thoughtful research as to not create more harm than good. Researching ways carp are contained in their native land would be the best place to start.

Question 3:

Add two pros and two cons for each of your two possible solutions.

Target Response Word Count: 100-300 words

Actual word count: 86 words

Catch and release -

pros - community involvement and increased sports fisherman activity

cons - poor turnout/discouraged young fishers

Natural predator introduction -

pros - decreasing the carp when they are small leaving only the larger carp who only eat 25 percent of their body weight

cons - no control over introduction affecting native fish/over population of introduction

Extermination -

pros - complete removal of carp species

cons - possible harm to native fish/would need to identify replacement source of managing vegetation and algae growth.

Question 4:

Select one of your solutions as a recommendation to the Mayor and explain why you think it's the best option.

Target Response Word Count: 100-300 words

Actual word count: 65 words

While we are making great headway, this issue did not occur over night and therefore will not be solved in such a fashion. In order to sufficiently address the issue in its current state while also ensuring that this is not experienced in the future, a quick fix or bandaid will not do. We are on the right path and will soon have a workable solution.

Question 5:

How did the concept of natural selection and succession factor into the Grass Carp problem?

Target Response Word Count: 100-300 words

Actual word count: 5 words

the lessons learned were that

Question 6:

How would you protect the Sparksville reservoir ecosystem from invasive species in the future?

Target Response Word Count: 100-300 words

The first step would not to intentionally introduce species into the reservoir before fully realizing all the possibilities that are associated with doing so. In cases where we do introduce new species, it is important to be proactive in addressing issues rather than waiting until they are near collapse. We also have to be mindful of the balance need for a thriving ecosystem. Our needs should not overrun that of other species and vice versa. This is especially true when our way of life depends so much on these other species.

Activity Breakdown

Activity	Score		
	E	Ec	S
Ecosystem Balance Definition	10	5	5
Community Input Checklist	4	5	3
Key Issues Flipchart	8	5	3
Next Steps Decision	0	-4	-1
Best Student Quiz	-1	--	--
Balance the Ecosystem! Game	25	25	20

Learning Objects Viewed

Number	Description	Views
1	Grass Carp Report	3
2	Scientific Method	0
3	Scientific Method T/F Sheet	1
4	The Biosphere	0
5	Range of Tolerance	0
6	Simplified Grazer Food Chains	0