SCIENCE NORTH / SCIENCE NORD

SUDBURY, ONTARIO, CANADA

Interactions in Ecosystems- Wrap-up Evaluation

Level	1	2	3	4
General understanding of ecosystems	Description is incomplete and contains misperceptions about ecosystems.	Description of ecosystem lacks some depth and detail but shows an understanding of the basics of what an ecosystem is.	Description shows a good understanding of what an ecosystem is and how several of the components within it interact with each other.	Description of ecosystem shows a broad understanding of what an ecosystem is and how elements within it interact with each other.
Biotic and abiotic elements	Some of the most important biotic and abiotic elements were missed. Some confusion about what the terms mean.	Several good examples of biotic and abiotic elements are given. Some important ones may be missing.	Most biotic and abiotic elements are correctly identified. The most important elements are included.	Biotic and abiotic elements correctly identified and many good examples for both are given. Clear understanding of the terms "biotic" and "abiotic".
Producers, consumers and decomposers	Only a couple of producers and consumers have been identified. No attempt to add information through research.	Correctly lists several produces and consumers. More depth could have been added through research.	Correctly lists most producers and consumers. Some research went into the answers.	Correctly lists all of the main producers and consumers. Research helped to deepen knowledge, and identify decomposers.

Understanding the food web	Lack of understanding how the food web works. Connections are only made between two organisms at a time.	The food web contains some of the basic links between organisms. Lacks depth and detail. At least some connections to more than two organisms are included.	The food web includes the most important links. Some areas could be expanded however. Most connections go beyond two organisms.	The food web is complete and accurate. It shows an understanding of how all the organisms act on each other.
Understanding of human impact on ecosystems	No correct example of how humans may affect this ecosystem.	Explanation of how humans affect the ecosystem in one way. No additional research was added.	Good explanation of how humans affect the ecosystem in at least one way. Some additional research is evident.	Detailed explanation of how humans affect the ecosystem in multiple ways. Answer includes additional research.
Understanding of protection programs	No idea for protection program given.	An idea to protect the ecosystem is presented but there is no explanation as to why this would be good and how it would work.	Good idea on how to protect the ecosystem. Some details need to be added to make it complete.	Insightful idea on how to protect the ecosystem while allowing humans to continue being active as well.
Overall depth of knowledge	Misconceptions on ecosystems persist. Did not make attempts to deepen knowledge.	Basic knowledge about ecosystems. The intricacy of interactions is not fully appreciated.	Displays depth of knowledge in several areas. Some answers may lack a bit of depth.	Displays in depth knowledge of ecosystems and the interactions within them in all the answers.
Total				

Comments: