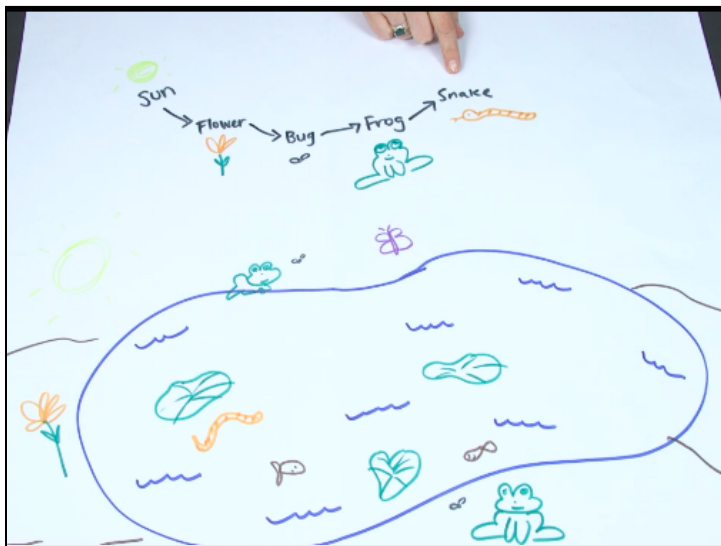


3.9B- identify and describe the flow of energy in a food chain and predict how changes in a food chain affect the ecosystem such as removal of frogs from a pond or bees from a field

Students will draw and label a food chain beginning with the sun. They will need to label the organisms and draw arrows to represent the flow of energy. Then, students will cut out one organism from their food chain and explain how the removal of that organism affects the rest of the environment. They will write a creative writing response as the next organism in the food chain.



	Level 1	Level 2	Level 3	Level 4
Illustration of food chain	-Does not show energy transfer between organisms	-Some of the energy transfer is correctly labeled and in order	-Minor mistakes in energy transfer diagram	-All organisms labeled and correct with energy transfer
Written Response	-Not able to explain effect on ecosystem and uses no vocabulary	-Limited ability to explain effect on ecosystem using little vocabulary	-Good explanation of effect on ecosystem using some vocabulary	-Detailed explanation of effect on ecosystem using vocabulary terms appropriately

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