

2022 MCAS Sample Student Work and Scoring Guide

Grade 5 Science and Technology/Engineering Question 16: Constructed-Response

Reporting Category: Life Science

Practice Category: Evidence, Reasoning, and Modeling

Standard: [4.LS.1.1](#) - Construct an argument that animals and plants have internal and external structures that support their survival, growth, behavior, and reproduction.

Item Description: Identify a trait that helps provide camouflage to an organism and describe how another trait helps the organism survive in its environment.

[View item in MCAS Digital Item Library](#)

Scoring Guide

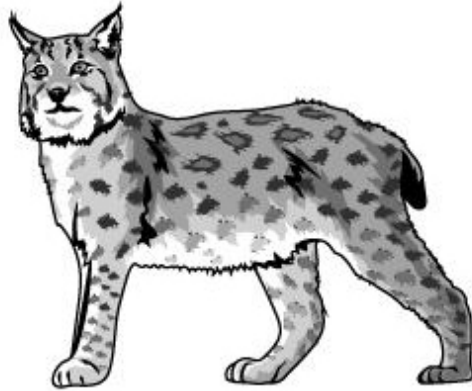
Select a score point in the table below to view the sample student response.

Score	Description
<u>2</u>	The response demonstrates a thorough understanding that animals have external structures that support their survival. The response correctly identifies one trait that provides camouflage for the lynx in its environment and clearly explains how the trait provides camouflage for the lynx. The response also clearly describes one way the claws of the lynx help it survive in its environment.
<u>1</u>	The response demonstrates a partial understanding that animals have external structures that support their survival.
<u>0</u>	The response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.

Score Point 2

This question has two parts.

The picture shows a lynx.



Lynx are wild cats that have spotted fur, sharp claws, furry ears, and wide paws. Lynx live in forests that are cold many months of the year. They hunt rabbits and other small animals.

Part A

From the information given, identify one trait that provides camouflage for the lynx in its environment. Explain how the trait provides camouflage for the lynx.

The trait that provides camouflage for the Lynx is it's spotted fur. The reason the Lynx's fur provides camouflage is beacuse the spotted fur can help it blend into the bushes.

Part B

Describe one way the claws of the lynx help it survive in its environment.

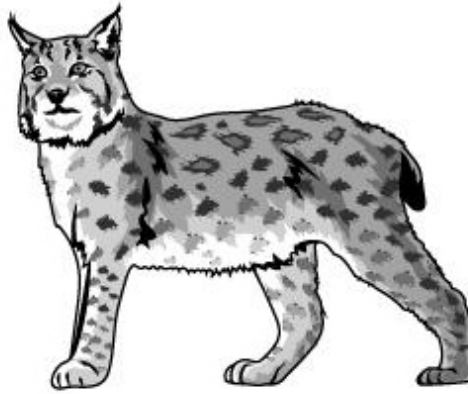
The Lynx's claws help fthe Lynx survive by catching prey, for example the Lynx can use it's claws to pounce on it's prey and dig it's claws into the prey.

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Score Point 1

This question has two parts.

The picture shows a lynx.



Lynx are wild cats that have spotted fur, sharp claws, furry ears, and wide paws. Lynx live in forests that are cold many months of the year. They hunt rabbits and other small animals.

Part A

From the information given, identify one trait that provides camouflage for the lynx in its environment. Explain how the trait provides camouflage for the lynx.

The camofaluge is the snow because when it snows it will get on the Lynx because it is cold weather.

Part B

Describe one way the claws of the lynx help it survive in its environment.

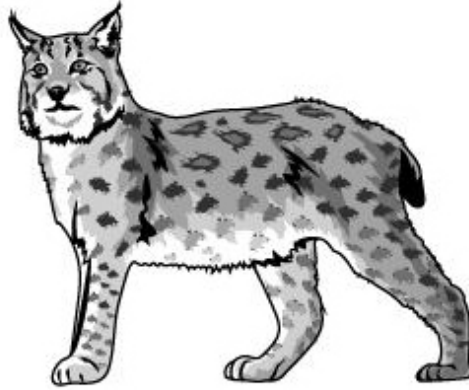
The claws of the lynx help survive because it can defend itself or hunt it's prey with there claws.

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Score Point 0

This question has two parts.

The picture shows a lynx.



Lynx are wild cats that have spotted fur, sharp claws, furry ears, and wide paws. Lynx live in forests that are cold many months of the year. They hunt rabbits and other small animals.

Part A

From the information given, identify one trait that provides camouflage for the lynx in its environment. Explain how the trait provides camouflage for the lynx.

a lynx is a wild cat that has spotted fur, sharp claws, furry ears, and wide paws.

Part B

Describe one way the claws of the lynx help it survive in its environment.

it camouflages.

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