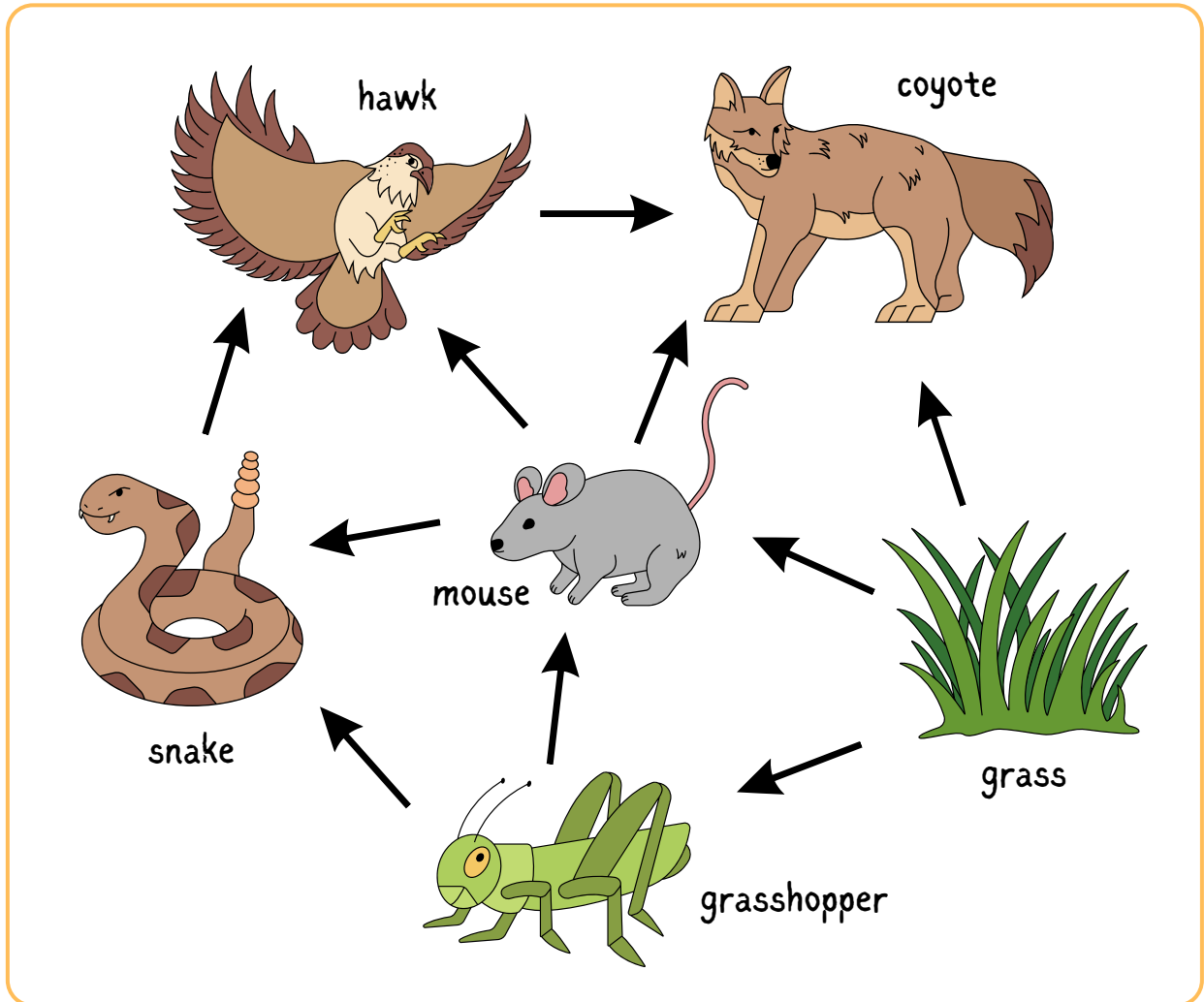


Name: _____ Date: _____

EXPLORING FOOD WEBS

Task: Using the food web provided, answer each of the questions below.



Identify the producer in the food web.

Identify the primary consumers in the food web.

Which organisms does the snake consume?

Describe one food chain within the food web.

Which organism is not consumed by any other organisms? What label could be used to describe their role in the food web?

What could occur if the grasshopper population decreased suddenly?

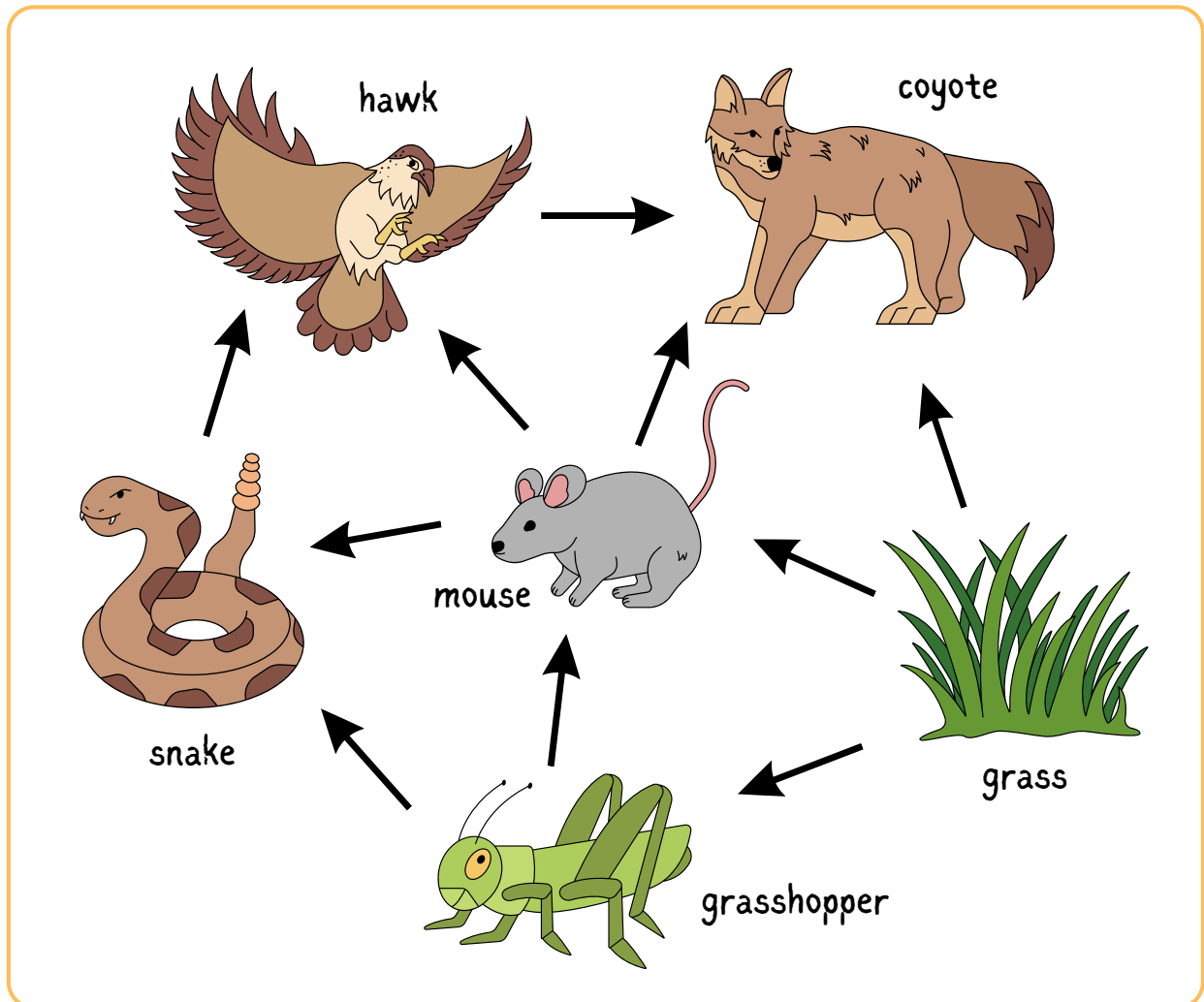
What could occur if the coyote population increased suddenly?

ANSWER KEY

Name: _____ Date: _____

EXPLORING FOOD WEBS

Task: Using the food web provided, answer each of the questions below.



Identify the producer in the food web.

Grass

Identify the primary consumers in the food web.

Mouse and grasshopper

Which organisms does the snake consume?

The snake consumes both the mouse and grasshopper.

Describe one food chain within the food web.

Some examples include:

Grass - grasshopper - snake - hawk - coyote

Grass - mouse - snake - hawk - coyote

Grass - mouse - coyote

Which organism is not consumed by any other organisms? What label could be used to describe their role in the food web?

The coyote is not consumed by any other organisms. It could be described as an apex predator and/or a quaternary consumer.

What could occur if the grasshopper population decreased suddenly?

Various answers are suitable.

Example: The mice and snake populations would have less food available. This could lead to a decrease in their populations that may flow onto other organisms in the food web. Also, the snake population is more likely to be impacted as the mouse population can still feed on grass as a food source.

What could occur if the coyote population increased suddenly?

Various answers are suitable.

Example: There would be less consumption of hawks by coyotes. This could lead to an increase in the hawk population. More hawks in the ecosystem could consume more snakes and cause the snake population to decline. This change could flow on to impact other organisms in the food web.