2023–2024 Gr3 Science Benchmark #3

Question 1.

Animals live in groups to: (select all that apply)

A. To share work

B. Find food

C. Have friends

D. Stay safe

E. Stay warm

Question 2.

Using the image for reference, why is hunting in a pack helpful for the wolves? Give at least one reason.

Question 3.

Fish live in groups for protection. Explain why this is beneficial for the fish.

Question 4.

a. Would this organism be able to survive in this habitat? Check Yes or No.

Arctic Fox

Desert

A. Yes

B. No

b. Explain why or why not.

Question 5.

a. Would this organism be able to survive in this habitat? Check Yes or No.

Gazelle

Grassland

A. Yes

B. No

b. Explain why or why not.

Question 6.

What is a fossil?

A. The remains of dead plants and animals

B. A habitat

C. A food source

D. A rock

Question 7.

What information can fossils give us? Choose all that apply.

A. How long ago the organism died.

B. What the environment was like.

C. What time of day the animal died.

D. The future of this species.
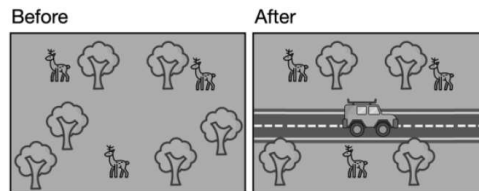
Question 8.

A fossilized crab was found in the mountains. This shows that the environment in the mountains was once _____.

A. Desert

B. Ocean

C. Rainforest

D. Tundra
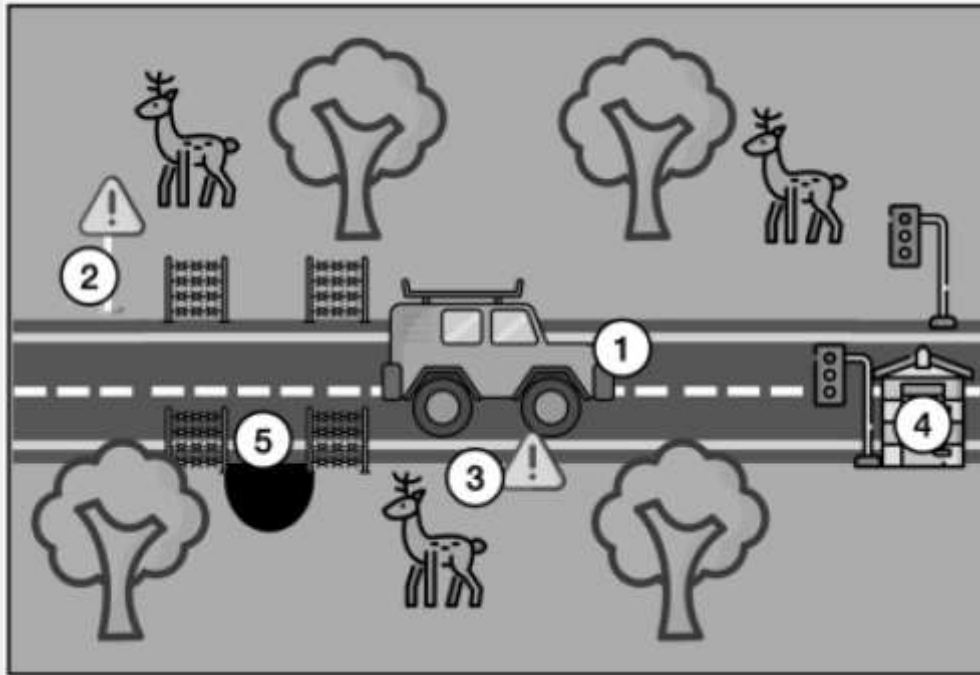
Question 9.

How did the addition of the road affect the organisms in the ecosystem shown?

A. The deer had more room to live.

B. The deer had more food to eat.

C. The deer had less room to live.

D. The deer were not affected by the road.

Five Solutions

Scientists studied five different solutions to determine how effective they are in preventing deer-car collisions.

Solution	Description	Cost	% Reduction in Collisions
1. Deer Whistle	Attached to a car. Makes a sound to scare deer.	$6	0%
2. Standard Signs	Permanent deer crossing signs. Alerts drivers that deer live in the area.	$100	0%
3. Seasonal Signs	Signs placed near road during certain seasons with high numbers of deer car collisions.	$2000	26%
4. Animal detection systems	Monitors road for deer. Alerts drivers when deer are on the road.	$700,000	82%
5. Fences with underpasses	Fences along the road that move deer to a tunnel to walk under the road.	$525,000	87%

Question 10.

Given the information, which is the best solution for reducing the impact of cars on the deer in the ecosystem?

A. Deer Whistle

B. Standard Signs

C. Seasonal Signs

D. Animal Detection Systems

E. Fences with Underpasses

Question 11.

Explain why the solution you chose in #10 is the best for reducing the impact of cars on deer in the ecosystem using evidence from the information.