



The Power of Pollinators!

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Attendance

Enter the number students participating here:

23

Beginning Trivia!

Enter the number of students who raise their hands for each answer:

WHAT IS MUTUALISM?	# of students
A. Saving and protecting bees and butterflies	1
B. A relationship between living things where one is helped and one is harmed	4
C. The process of sun and rain helping plants grow	4
D. A relationship between living things where each one helps the other	14

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Types of Pollinators

Type the names of different pollinators that students brainstorm here:

butterflies
dragonflies
hummingbirds
flies
humans
sweat bees
hornets
wasps
yellow jackets
grasshoppers
deer
red hornets
crickets
small animals like squirrels and chipmunks
ants
praying mantis
box elder bugs

A World Without Pollinators

Type reasons students brainstorm for why each food item would be affected here:

French fries: no potatoes

Burger: no sesame seeds, lettuce, tomato, bun, no cheese because cows wouldn't get grass

Apple: no apple

Ice Cream: no cherry, ice cream because cows wouldn't have grass



WATER ROCKS! Streaming

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What Can We Do?

Type ideas students brainstorm for what we can do to protect pollinators and their habitat here:

plant more flowers and milkweed
pull weeds
leave the bees and other pollinators alone
limit building
limit disturbing the environments of pollinators

Final Trivia!

Enter the number of students who raise their hands for each answer:

WHAT IS MUTUALISM?	# of students
A. Saving and protecting bees and butterflies	2
B. A relationship between living things where one is helped and one is harmed	0
C. The process of sun and rain helping plants grow	0

WATER ROCKS! Streaming

D. A relationship between living things where each one helps the other

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Questions

Type in any questions students have for Water Rocks! here:

Do bees migrate in the winter?

Some bees do migrate - but not all bees! A lot of our native bees here in Iowa stay in their hives and cluster in the winter for warmth.

Are there any pesticides that are ok for pollinators?

It's important that we read all labels before applying pesticides. Timing of application of the pesticides is important to consider too.

Do praying mantis migrate?

No, they do enter a dormant state in the winter.

Do butterflies ever get stuck in their chrysalis?

Yes they can, but it is not common.

Are there any ways we can help pollinators during winter?

Yes! Think about their habitats, in the fall and spring leaving dead leaves and other plant matter alone is important because our pollinators could be living there waiting for warmer weather.

What are predators to pollinators beside humans?

The black-eared mouse and black-backed oriole are predators of monarch butterflies. Take the time to look more into predators of other pollinators if you would like.

Thanks:)

END!