

Zoe's Time Machine Reveals Living Worlds

Grade 3

Science

Nonfiction

Time travelers Theme

~159 words

NGSS.3-LS2-1

Name: _____ Date: _____

 **READ — READ THIS PASSAGE CAREFULLY. YOU MAY READ IT TWICE.**

Zoe stepped out of her time machine into a lush, ancient forest. She had traveled back millions of years to study ecosystems. An ecosystem is a community of living things sharing one home. Every plant, animal, and insect depends on the others. Zoe watched a tiny bee land on a flower. The bee collected nectar from the bloom. In return, it carried pollen to other flowers. This helped new plants grow. Without bees, many plants could not survive. Next, Zoe moved her machine to a dry desert. She saw a cactus standing tall under a blazing sun. A small lizard rested in its shade. The lizard ate insects hiding near the cactus roots. Each living thing had a role in this **community**. Zoe traveled to a cold, snowy tundra last. Tiny moss plants covered the frozen ground. A caribou scraped snow away to eat the moss. A wolf watched nearby, waiting. Zoe learned that every ecosystem needs all its members to stay healthy.

 *Tip: Read the passage twice before turning to the questions on the next page.*

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Questions

 **ANSWER** USE THE PASSAGE ON PAGE 1 TO HELP FIND YOUR ANSWERS.

MAIN IDEA

1. What is this passage mostly about?

TEXT EVIDENCE

2. What evidence from the passage shows that bees are important to an ecosystem?

VOCABULARY

3. What does the word community mean in this passage?

INFERENCE

4. Why do you think Zoe chose to visit more than one ecosystem during her time travel?

CAUSE AND EFFECT

5. What happened because the bee carried pollen from flower to flower?

TEXT EVIDENCE

6. What details from the tundra paragraph show that animals in that ecosystem depend on plants?

✓ ANSWER KEY — Zoe's Time Machine Reveals Living Worlds

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TEACHER / PARENT USE ONLY — Suggested answers shown below each question

Zoe stepped out of her time machine into a lush, ancient forest. She had traveled back millions of years to study ecosystems. An ecosystem is a community of living things sharing one home. Every plant, animal, and insect depends on the others. Zoe watched a tiny bee land on a flower. The bee collected nectar from the bloom. In return, it carried pollen to other flowers. This helped new plants grow. Without bees, many plants could not survive. Next, Zoe moved her machine to a dry desert. She saw a cactus standing tall under a blazing sun. A small lizard rested in its shade. The lizard ate insects hiding near the cactus roots. Each living thing had a role in this **community**. Zoe traveled to a cold, snowy tundra last. Tiny moss plants covered the frozen ground. A caribou scraped snow away to eat the moss. A wolf watched nearby, waiting. Zoe learned that every ecosystem needs all its members to stay healthy.

MAIN IDEA

1. What is this passage mostly about?

This passage is mostly about how Zoe uses her time machine to explore different ecosystems and learn that all living things depend on each other.

TEXT EVIDENCE

2. What evidence from the passage shows that bees are important to an ecosystem?

The passage states, "Without bees, many plants could not survive," which shows that bees play a key role in keeping plants alive.

VOCABULARY

3. What does the word community mean in this passage?

In this passage, community means a group of living things, like plants, lizards, and insects, that all live together and depend on each other in the same place.

INFERENCE

4. Why do you think Zoe chose to visit more than one ecosystem during her time travel?

Zoe likely visited more than one ecosystem because each place showed her something different about how living things work together, helping her understand that all ecosystems share the same big idea.

CAUSE AND EFFECT

5. What happened because the bee carried pollen from flower to flower?

Because the bee carried pollen to other flowers, new plants were able to grow, which helped the ecosystem stay healthy and full of life.

TEXT EVIDENCE

6. What details from the tundra paragraph show that animals in that ecosystem depend on plants?

The passage says, "A caribou scraped snow away to eat the moss," which shows that the caribou needed the moss plant to survive in the cold tundra.