

Monarch Questions

Build understanding before, during, and after reading.

5.6.B "generate questions about text before, during, and after reading to deepen understanding and gain information;"

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Before reading, write B by the title and jot one question. As you read, write D beside a detail that raises a question and A beside a detail that answers or changes a question.

The Monarch Journey

- ① Each autumn, thousands of monarch butterflies leave southern Canada and the United States. They fly south to mountain forests in central Mexico, where they spend the winter clustered on oyamel fir trees. No single butterfly completes the whole trip north and south. The butterflies that return north in spring are descendants of the ones that flew south months earlier.
- ② To prepare for the journey, monarchs drink nectar from flowers and store fat in their bodies. They use the Sun and Earth's magnetic field to help guide their flight. Cool autumn temperatures and shorter days help trigger migration. The route is dangerous: storms, pesticides, and the loss of flowering plants can reduce the number of butterflies that arrive.
- ③ Scientists and local communities count monarchs at winter sites. They compare yearly counts to see whether the population is changing. People can help by planting native nectar flowers and avoiding pesticides that harm insects. Protecting forests in Mexico matters too because the butterflies need safe branches during cold, wet weather. A smaller winter colony may lead scientists to ask what changed along the migration route.

2 ANSWER WITH EVIDENCE _____ Use the passage

- 1** Before reading, use the title to write a question that the passage answers. Then answer your question.

- 2** During paragraph 1, write a question that helps you understand why one monarch does not make the whole trip. Then answer it.

- 3** During paragraph 2, write a question about how monarchs find their way. Then answer it.

- 4** After reading, write a question that connects dangers to actions people can take. Then answer it using the passage.

3 YOUR TURN _____ Your own words

Choose an informational text you know or plan to read. Write three questions: one you would ask before reading, one during reading, and one after reading. Add one sentence explaining which question would help you learn the most and why.

PART 1 • READ AND MARK

Before reading, write B by the title and jot one question. As you read, write D beside a detail that raises a question and A beside a detail that answers or changes a question. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Before reading, use the title to write a question that the passage answers. Then answer your question.	Possible: Where do monarch butterflies spend the winter? They spend the winter in mountain forests in central Mexico.
2	During paragraph 1, write a question that helps you understand why one monarch does not make the whole trip. Then answer it.	Possible: Why does no single monarch complete the trip north and south? The butterflies returning north are descendants of the butterflies that flew south.
3	During paragraph 2, write a question about how monarchs find their way. Then answer it.	Possible: What helps guide monarchs' flight? They use the Sun and Earth's magnetic field.
4	After reading, write a question that connects dangers to actions people can take. Then answer it using the passage.	Possible: How can people help monarchs survive migration? They can plant native nectar flowers, avoid harmful pesticides, and protect forests in Mexico.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Before: What causes volcanic eruptions? During: How does magma move toward Earth's surface? After: How do eruptions change land over time? The during-reading question would help me learn the most because it explains the process described in the text.

Accept varied questions when they fit the reading stage and can be answered or investigated using the text. For the open task, check for one clear question at each stage and a reasonable explanation sentence.