Monarch Mystery Map

Connect what you know to new facts and open questions.

3.P.EICC.3.c "Draw from, compare, build, and integrate prior knowledge with the material in the text, addressing inconsistencies or gaps and adding to knowledge repertoires as appropriate. (I)"

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline two details that connect to something you already knew. Circle one detail that adds new information, and write a question mark beside one part you still wonder about.

The Monarchs' Long Trip

1. Each fall, many monarch butterflies in eastern North America travel south to mountain forests in central Mexico. In the west, many monarchs spend winter along California's coast. These trips are called migration. A monarch does not make the whole round trip alone. The butterflies that return north in spring are later generations, the children and grandchildren of the butterflies that flew south.

2. Monarchs use more than bright orange wings to survive. Their caterpillars eat milkweed plants, and adult butterflies drink nectar from many flowers. Milkweed gives caterpillars chemicals that make monarchs taste bad to many birds. Still, some birds can eat monarchs. A reader who knows butterflies drink nectar can add that monarch caterpillars need a different kind of food.

3. Scientists are still learning how monarchs find the same winter areas. They know that the sun, an internal body clock, and Earth's magnetic field help guide the butterflies. However, scientists do not know every detail about how these clues work together on a long trip. New tracking tags and careful observations may add answers. This is why readers should keep questions when a text leaves a gap.

2 ANSWER WITH EVIDENCE

Use the passage

1. A reader says, “All monarchs spend winter in Mexico.” Which passage detail should the reader add to make that idea more complete?

2. How does paragraph 2 add to a reader's knowledge that butterflies drink nectar?

3. What question about monarch migration does the passage leave partly unanswered?

4. A classmate says scientists know everything about how monarchs travel. Explain why the passage disagrees. Use one known clue and one gap in the information.

3 YOUR TURN

Your own words

Think of something you knew or thought about butterflies before this reading. Write three sentences that compare your old idea with a passage fact, then add one new idea or question you have.

ANSWER KEY

Monarch Mystery Map

GRADE 3 · 3.P.EICC.3.c

PART 1 · READ AND MARK

Underline two details that connect to something you already knew. Circle one detail that adds new information, and write a question mark beside one part you still wonder about. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	A reader says, "All monarchs spend winter in Mexico." Which passage detail should the reader add to make that idea more complete?	**In the west, many monarchs spend winter along California's coast.**
2	How does paragraph 2 add to a reader's knowledge that butterflies drink nectar?	**It explains that monarch caterpillars eat milkweed, while adult monarchs drink nectar.**
3	What question about monarch migration does the passage leave partly unanswered?	**The passage does not explain every detail about how the sun, body clock, and magnetic field work together during migration.**
4	A classmate says scientists know everything about how monarchs travel. Explain why the passage disagrees. Use one known clue and one gap in the information.	**Scientists know that clues such as the sun help guide monarchs, but they do not know every detail about how the clues work together.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Before reading, I knew that butterflies drink nectar from flowers. The text adds that monarch caterpillars eat milkweed, so young and adult monarchs need different foods. I wonder how a butterfly's body clock works with the sun during migration.

Accept any marking that follows this job and points at the right text. Accept accurate connections between a student's prior knowledge and passage facts. For the final sentence, accept an accurate new learning statement or a reasonable question based on information the text does not fully explain.