Pollen on the Move

Read a pollination model, then design a seed-moving model.

2.6 "Design and construct models to simulate how animals disperse seeds or pollinate plants."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the words that name Mia's model bee and model pollen. Number the two places she taps the cotton ball 1 and 2 to show how the pollen moves.

Mia's Flower Model

1. A bee lands on a flower to sip sweet nectar. Yellow pollen dust sticks to the bee's fuzzy body. The bee flies to another flower. Some pollen rubs onto that flower. This move of pollen can help the flower make seeds.
2. Mia wants to show this move with a model. She draws two flowers on paper. She puts a pinch of flour on the middle of one flower. The flour stands for pollen. A soft cotton ball stands for the bee's fuzzy body.
3. Mia taps the cotton ball on the flour, then taps it on the other flower. She looks for flour on the second flower. At first, none shows up. She adds more flour to the first flower and tries again. Now flour moves.

2 ANSWER WITH EVIDENCE

Use the passage

1. What stands for the bee's fuzzy body in Mia's model? What stands for pollen?

2. How does Mia move her model bee to show pollen moving between flowers?

3. What does Mia change after her first test? How can she tell the change works?

3 YOUR TURN

Your own words

Design and build a model that shows an animal moving a seed, using classroom items. In the box, draw and label what stands for the animal and the seed, and use arrows to show the move.

ANSWER KEY

Pollen on the Move

GRADE 2 · 2.6

PART 1 · READ AND MARK

Underline the words that name Mia's model bee and model pollen. Number the two places she taps the cotton ball 1 and 2 to show how the pollen moves. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	What stands for the bee's fuzzy body in Mia's model? What stands for pollen?	**The cotton ball stands for the bee's fuzzy body, and flour stands for pollen.**
2	How does Mia move her model bee to show pollen moving between flowers?	**She taps the cotton ball on the flour, then on the other flower.**
3	What does Mia change after her first test? How can she tell the change works?	**She adds more flour to the first flower. She can tell it works because flour moves to the second flower.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

A clothespin labeled "ant" grips a bead labeled "seed" beside a paper plant. An arrow shows the clothespin carrying the bead to a new spot, where it leaves the bead.

For Part 3, accept a buildable model with labeled items representing an animal and a seed. The arrows should show the animal moving the seed to a new place.