

Model Moving Pollen



Pollen is a light, sticky powder that flowers need to make seeds. Animals such as bees and ladybugs help move pollen as they feed on nectar deep within the flower. Think about how the body parts of animals are shaped to move pollen.

Ask a question about how animals move pollen.

Sample question: How do the parts of animals help move pollen?

Materials Checklist

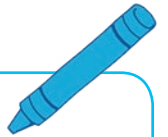
- ☐ 3 colors of chalk powder
- ☐ 3 cotton balls
- ☐ 3 small cups
- ☐ cotton swabs
- ☐ water

Step 1

Place each powder in a different cup with a cotton ball. Dip a cotton swab in water. Roll it over each cotton ball. Record what you observe.



Children should draw a cotton swab that has picked up all three colors of chalk.



Step 2

Repeat two more times. Compare your results with a partner.

Step 3

What parts of an animal can help move pollen from plant to plant?

Sample answer: The hairs on the body, legs, and antennae pick up pollen.

Make a **claim** about how animals move pollen.

Sample answer: Pollen sticks to the hairs of animals when they feed on flowers. As animals move from flower to flower, the pollen is carried along.

What is your **evidence**? Talk with a partner about your **reasoning**.

Sample answer: My evidence is that the wet cotton swab picks up the different colors of chalk. When the cotton swab is placed on the cotton ball, some of the chalk on the cotton swab falls onto the cotton ball. My reasoning is that this makes me think that the fuzzy hairs on an animal's body pick up pollen from one flower and drop it onto other flowers.

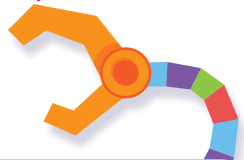
Making Sense



I explored how animals help move pollen.

How does this help me explain how animals help plants?

Sample answer: Animals help plants by moving pollen from one plant to another. Animals that eat from flowers have hairs that pick up pollen. When the animals move to the next plant, some of the pollen drops off.



Hacer un modelo del movimiento del polen



El **polen** es un polvo ligero y pegajoso que necesitan las flores para producir semillas. Los animales, como las abejas y las catarinas, ayudan a mover el polen. Lo mueven cuando se alimentan del néctar que está muy adentro de las flores. Partes del cuerpo de los animales tienen formas que sirven para mover el polen. Piensa en cómo lo hacen.

Haz una pregunta sobre cómo los animales mueven el polen.

Lista de control de materiales

- ☐ 3 colores de polvo de tiza ☐ palitos con punta de algodón
- ☐ 3 vasos pequeños ☐ 3 copos de algodón ☐ agua

Paso 1

Coloca cada polvo en un vaso diferente con un copo de algodón. Sumerge un palito con punta de algodón en agua. Hazlo rodar sobre cada copo de algodón. Anota lo que observas.



Paso 2

Repite dos veces más. Compara tus resultados con los de un compañero.

Paso 3

¿Qué partes de un animal ayudan a mover el polen de una planta a otra?

Haz una **afirmación** sobre cómo los animales mueven el polen.

¿Cuáles son tus **evidencias**? Comenta tu **razonamiento** con un compañero.



Dar sentido



Exploré _____

¿Por qué esto te sirve para explicar cómo los animales ayudan a las plantas?
