Name:_____

Busy Bees

Part 1:

Exploring a Bee's Habitat

1) Draw a picture of a bee in its habitat.

2) Draw a magnified picture of a bee.

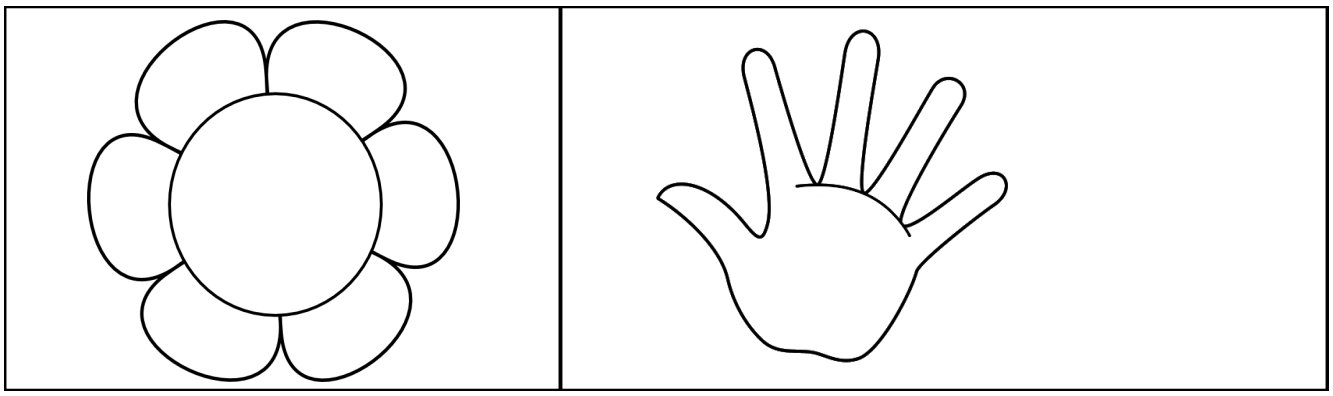
3) Draw a magnified picture of something in a bee's habitat.

Discuss with the class:

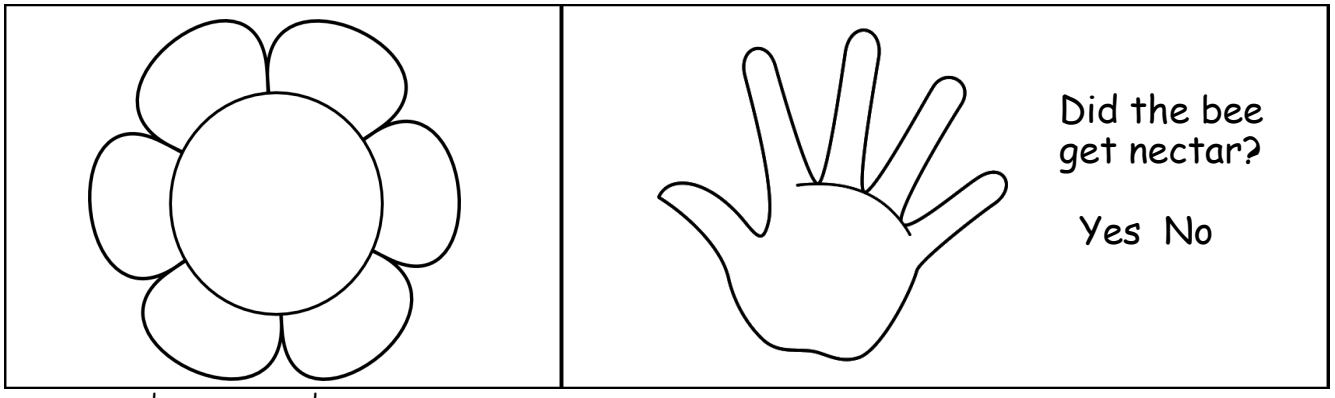
What do bees need to survive?

4) What happens to your flower and the bee as it collects food? Look at the flower and the bee (hand). Color the pollen that you see with the correct color at each time during the day.

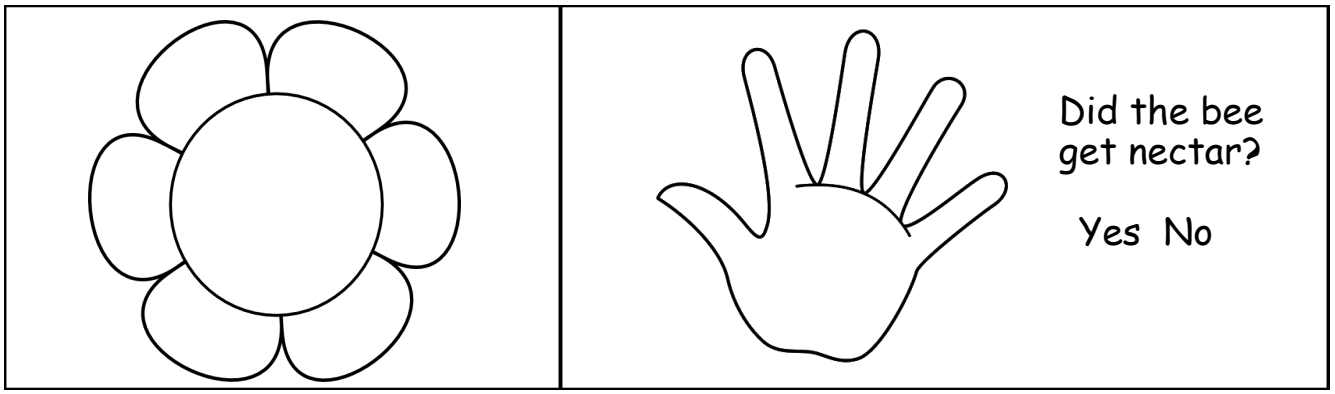
Beginning of Day



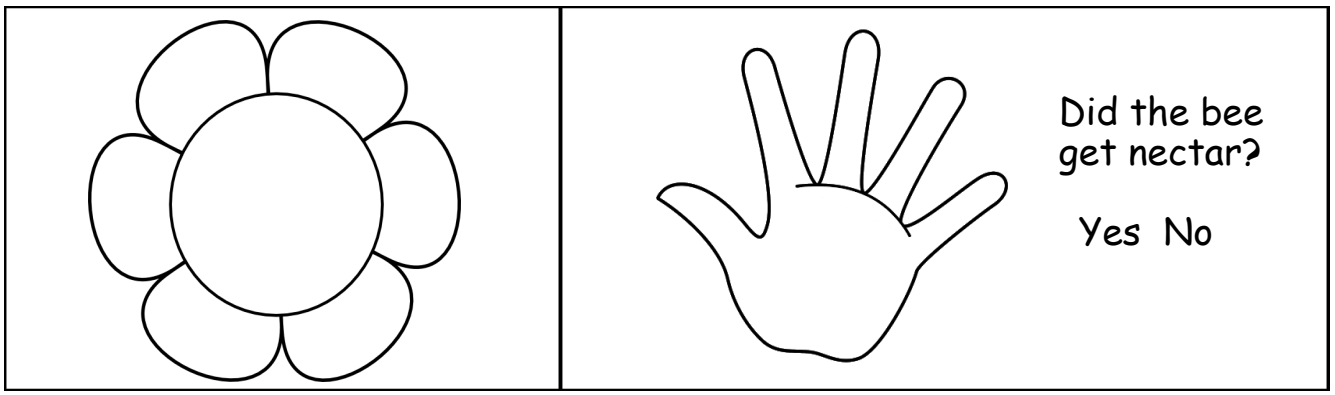
After 1st Visit/1st Meal



After 2nd Visit/2nd Meal

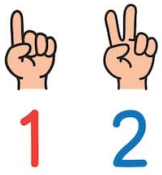


After 3rd Visit/3rd Meal



5) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

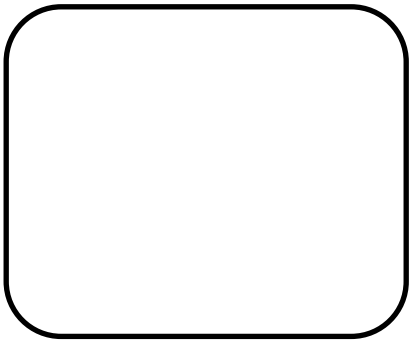
6) Did the bee get nectar? Yes No

7) What happened to the flower? _____

Flower Life Cycle

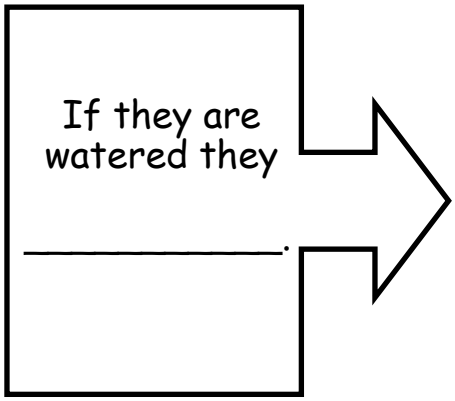
Watch life cycle video with class

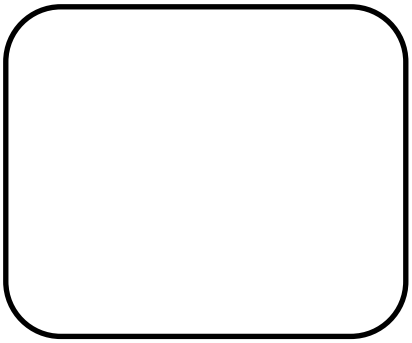
8) Why is this important?



Plants start off as:

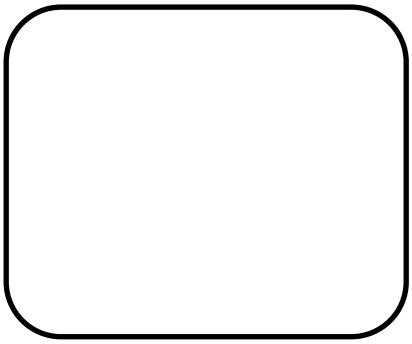
_____.

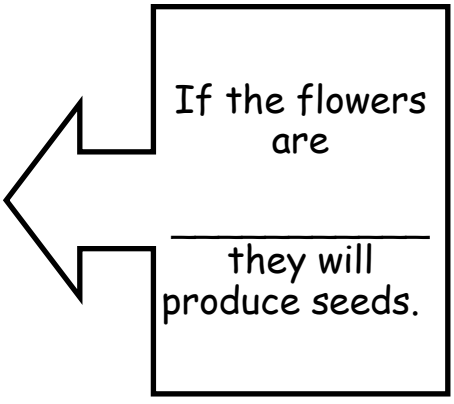


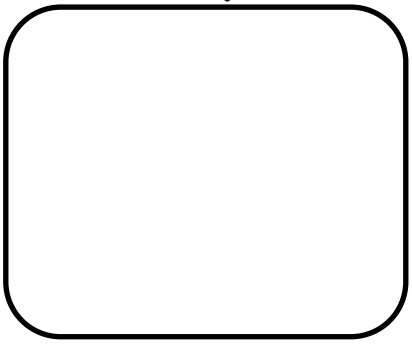


With time, water, and sunlight they

_____.







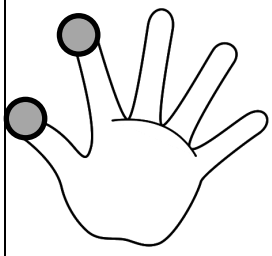
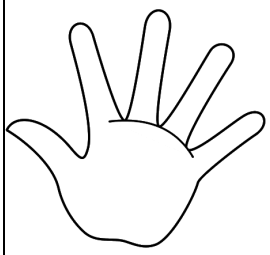
Seeds can grow into new plants.

Part 2:

Bee Structure

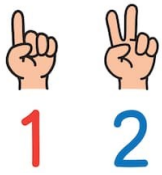
Discuss with the class the similarities and differences between these bees.

9) Which bee collected the most pollen?

	Plastic Glove	Velcro	Hand
Color the correct amount of pollen on each hand.			

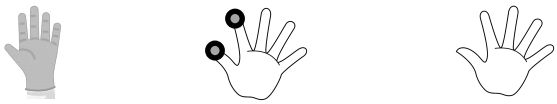
10) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting

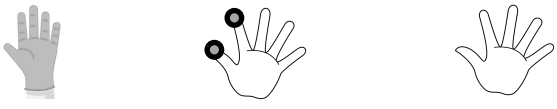


Let's Analyze Our Data

11) Which method had the **most** pollen stick to each bee?



12) Which method had the **least** pollen stick to each bee?

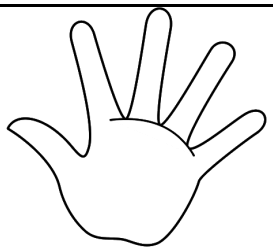
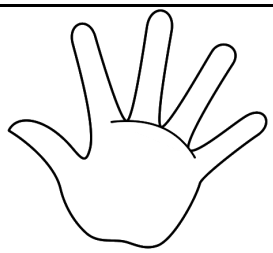
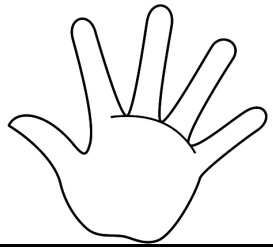


13) Draw two pictures, one of a bee that has a structure that will collect a lot of pollen, and one that will collect very little pollen.

Collects a lot of pollen.		Collects a little pollen.	

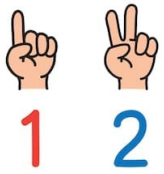
Flower Structure 1

14) Which bee collected the most pollen?

	Flower 1	Flower 2	Flower 3
Property:			
Color the correct amount of pollen on each hand.			

15) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

16) What was the property of the flower where the bee collected the most pollen? _____

_____

17) What did you learn about pollen?_____

_____

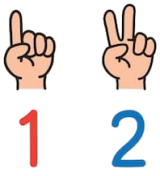
Flower Structure 2

18) Which flower was visited the most?

	Flower 1	Flower 2	Flower 3	Flower 4	Flower 5
Number of bees that visited flower.					
Property: _____ _____					

19) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

20) Put the flowers in order from most visited to least visited.

____ ____ ____ ____ ____

21) What is the function of _____? _____
this structure

_____

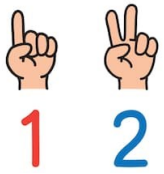
Flower Structure 3

22) Which color flower did bees go to the most?

	Red Flower	Orange Flower	Yellow Flower	Green Flower	Blue Flower	Purple Flower	White Flower	Clear Flower
Bee 1								
Bee 2								
Bee 3								
Bee 4								
Bee 5								
Total								

23) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

24) What is common about the structure of the flowers that were visited?_____

_____

25) What is the function of _____?
this structure

_____

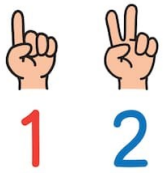
Flower Structure 4

26) What type of flower did bees visit the most?

	Property of Type 1 Flower _____	Property of Type 2 Flower _____
Bee 1		
Bee 2		
Bee 3		
Bee 4		
Bee 5		
Total		

27) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

28) What type of flowers did bees go to more often?

_____

29) What is the function of _____?
this structure

_____

Part 3:

Pollinators and Flowers

30) What can flowers do to attract pollinators?

_____

_____

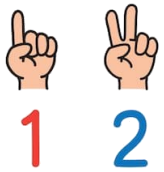
_____

31) How can bees find their favorite flower?

	Time to Find Flower	Time to Find Flower
Bee 1		
Bee 2		

32) What type of data did you collect in your experiment? (circle one)

Observations Measurements Counting



Let's Analyze Our Data

33) What do you notice about the times?_____

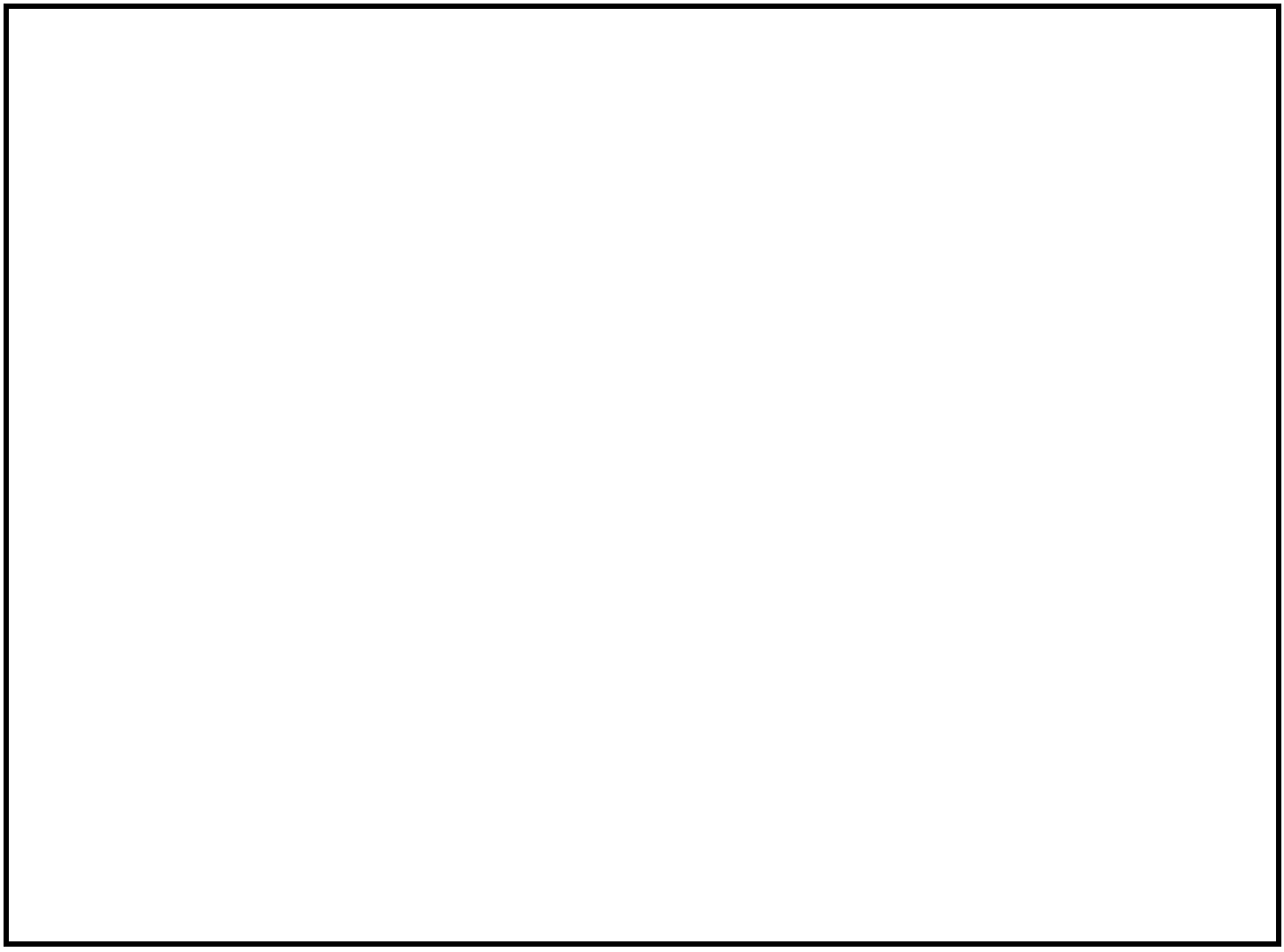
_____

34) What is the function of _____?
this structure

_____

Review

35) Draw a picture of what you learned about flowers and pollinators.



36) I learned that_____

_____

_____

_____

_____