

Bat Pollinator Activity Book

Overview:

Enjoy some bat-themed puzzles and activities, while learning a little about these amazing flying mammals. These activities came from Bat Conservation International (BCI), a great organization working to preserve bats and their fragile ecosystems.

Bat Pollination Video:

This DisneyNature video of bats pollinating desert flowers will help answer some of the questions on page 5

- <https://vimeo.com/63694877>

More Resources and Activities for Learning About Bats:

- BCI – <http://www.batcon.org/>
- EduBat - <https://batlive.pwnet.org/index.php>
- Lubees - <https://www.lubees.org/>

MESSAGE DECODER

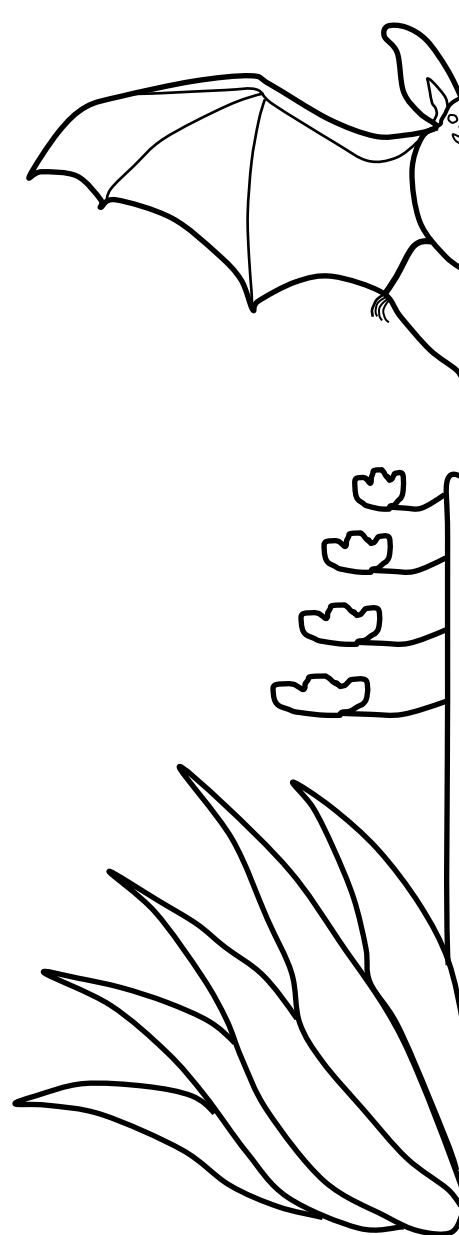
Decode the symbols to find a fun fact about bats. Fill in the blanks with the letter that matches each picture from the box at the bottom of the page.



☺ = A	♥ = B	🍊 = E
☀ = F	⚡ = G	🌙 = I
✋ = L	▲ = O	🌳 = P
⌘ = R	☒ = S	🌸 = T
☆ = V	© = W	

DRAW A PICTURE

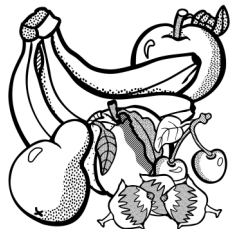
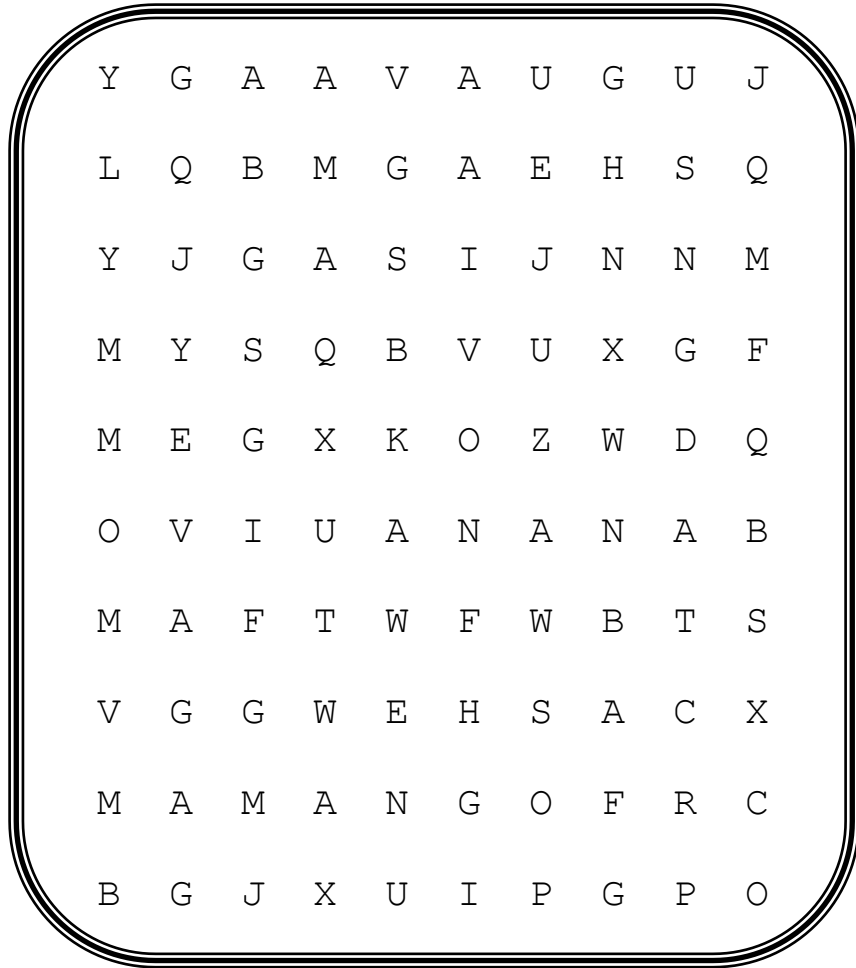
Bats are the only pollinators of the agave plant. Agaves grow beautiful yellow flowers and provide juice and sugar. Finish the picture by drawing a mirror image of the bat with the agave plant.



WORD SEARCH

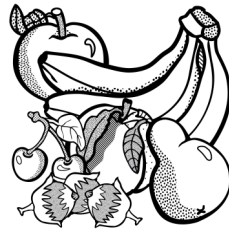
Did you know that 500 plant species rely on bats to pollinate their flowers? Find and circle the 10 plant words hidden in this puzzle. All these plants rely on bats.

Words may be found across, down and diagonally.



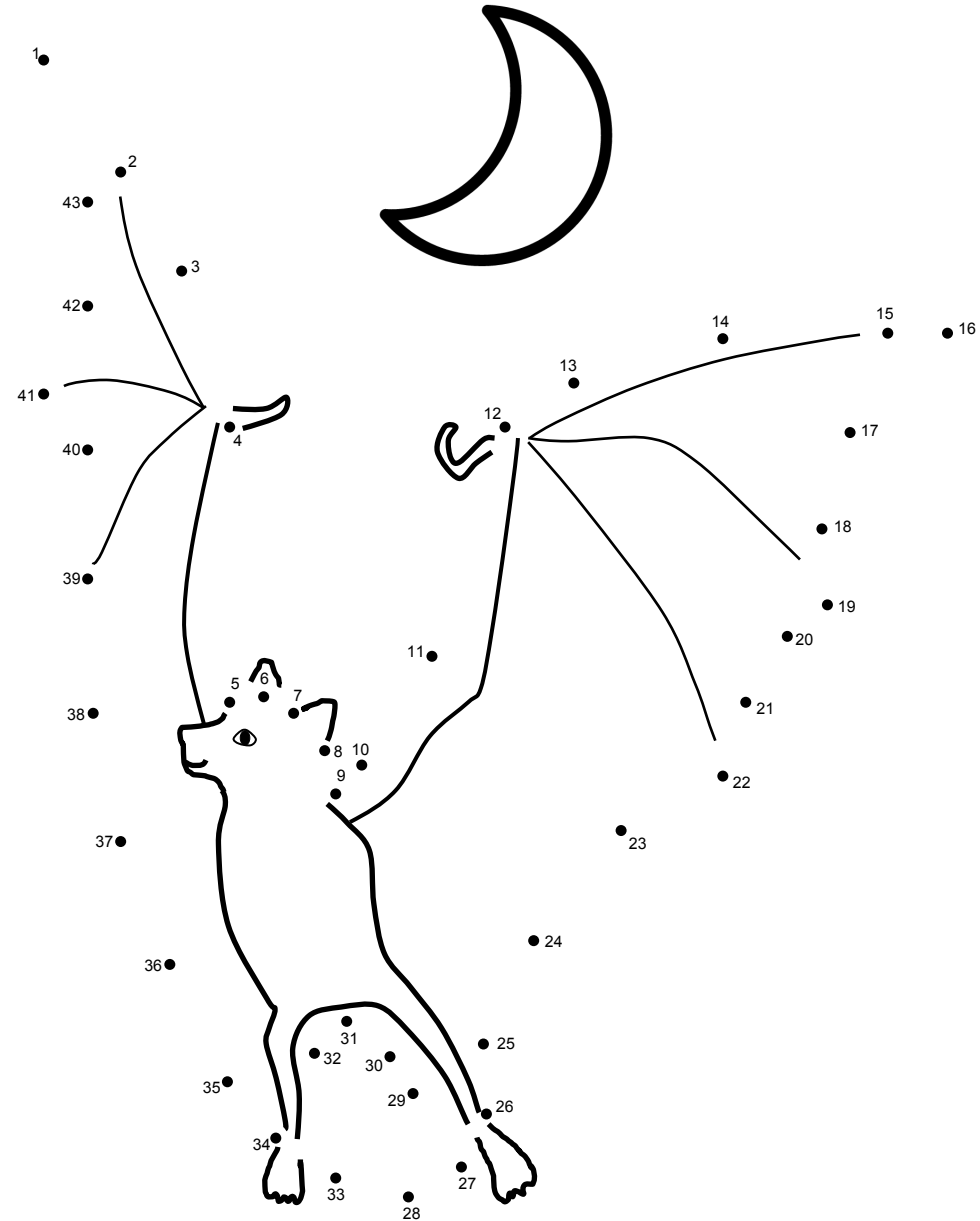
1. Banana
2. Mango
3. Guava
4. Shea

5. Figs
6. Baobab
7. Agave
8. Cashew



CONNECT THE DOTS

Connect the dots to create a picture. Start at 1, then 2 and 3.



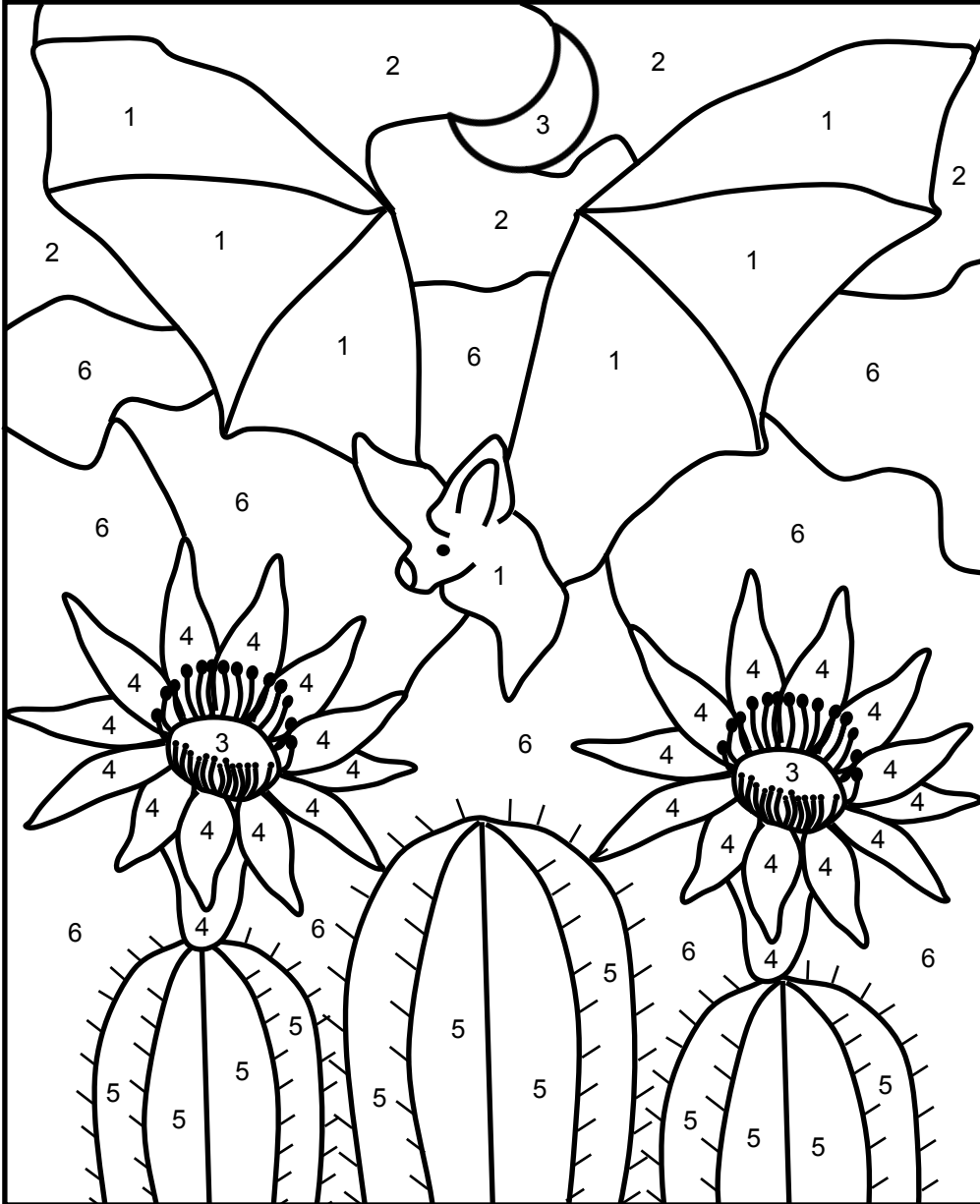
COLOR BY NUMBER

Color Code

1 = Brown
4 = Red

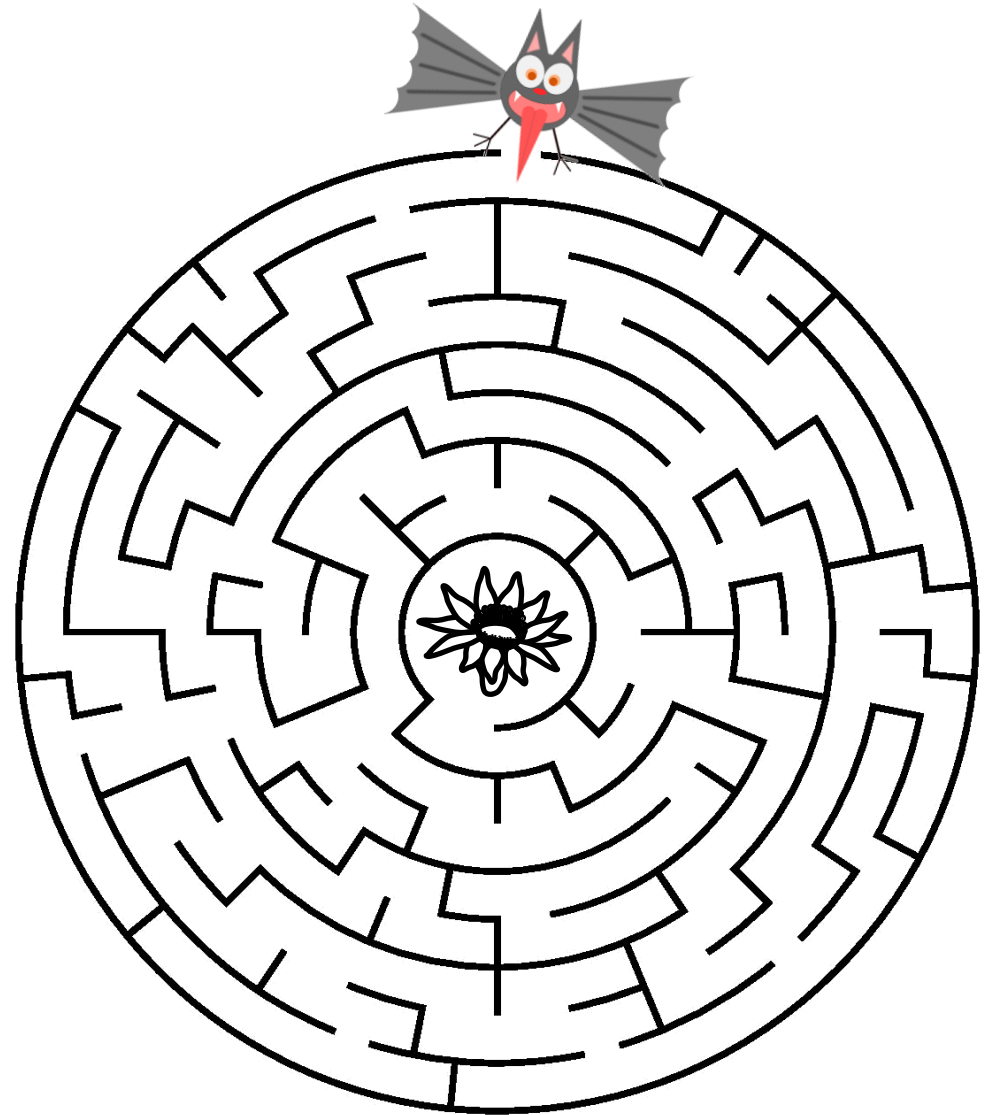
2 = Black
5 = Green

3 = Yellow
6 = Blue



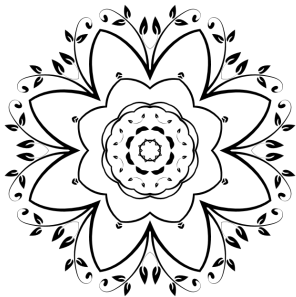
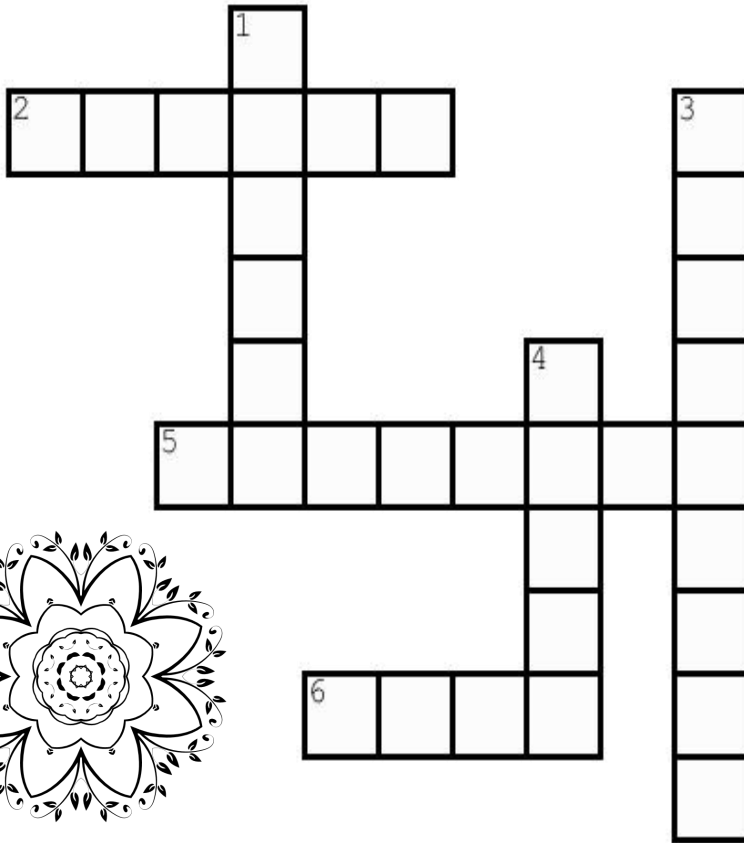
POLLINATOR MAZE

Mexican long-tongued bats love to drink lots of nectar from agave and saguaro cactus flowers. Help the hungry long-tongued bat find his flower buffet!



CROSSWORD

Solve the crossword using the clues below that describe characteristics of bat-pollinated flowers.

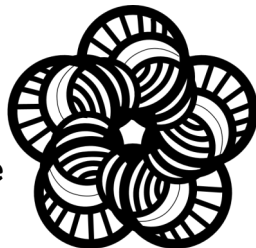


Across

2. dry ecosystem with lots of sand and cactus
5. strong smell
6. very light-colored

Down

1. sweet liquid pollinating bats love
3. opposite of daytime
4. big



BATVENGER HUNT

1. Can you find a pollinating bat?
(Hint: look at pictures and videos)



- a. How do they gather nectar? (Circle correct answers)

TONGUE

PROBOSCIS

HAIR

FINGERS

- b. How do they transfer pollen from flower to flower? (Circle the correct answer)

FUR

FEATHERS

SCALES

SUITCASE

2. Look for a flower that is bat-pollinated. Draw it here:



- a. Circle two characteristics of a bat-pollinated flower:

Opens in Day

Light-colored

Opens at Night

Dark-colored

- b. Flowers make themselves attractive to their pollinators. What would a flower need to attract you to it to make you a "You-Pollinator"? (Example: Smells like cotton candy, colors like pink)

3. Can you find 2 things people use that are products of bat pollination? Draw them here:



Which is your favorite?

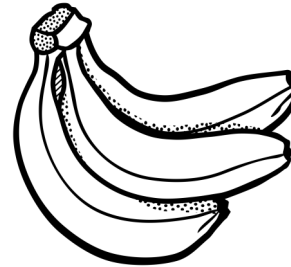
BATS!

Cross out the word BATS every time you see it in the box. When you reach a letter that does not belong, write it in the circles below to reveal the secret message.

BATSBBATSEBATSABATS
 BATSBBATSABATSTBATS
 BATSHBATSEBATS RBATS
 BATSOBATSSBATSABATS
 BATSVBATSEBATSBBATS
 BATSABATSTBATSHBATS
 BATSABATSBBATSIBATS
 BATSTBATSABATSTBATS

WHICH ONE DOESN'T BELONG?

Bats are helpful and they pollinate many things we eat every day. Circle the items that are pollinated by bats and cross out the items that are not pollinated by bats.



BANANA



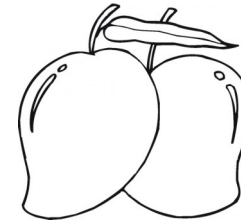
HONEY



GUAVA



CASHEW PLANT



MANGO



CHOCOLATE

WHAT'S THE SECRET MESSAGE?

○ ○ ○ ○ ○ ○ ○ ○ ○ ○

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

DID YOU KNOW?

One of the biggest threats to pollinating bats is habitat loss. Their habitat is made up of their food, water and somewhere to sleep or hide. Development is a major cause of the loss of their habitat.

What do you think would happen if there were less or even no bat pollinators?

What do you think you could do to help bat pollinators?