

The mammal that flies!

Batty Bats



Bats are very important for the environment. Let's learn about bats!

Bats are mammals.

The mother makes milk to feed the babies.

Bats live in colonies.

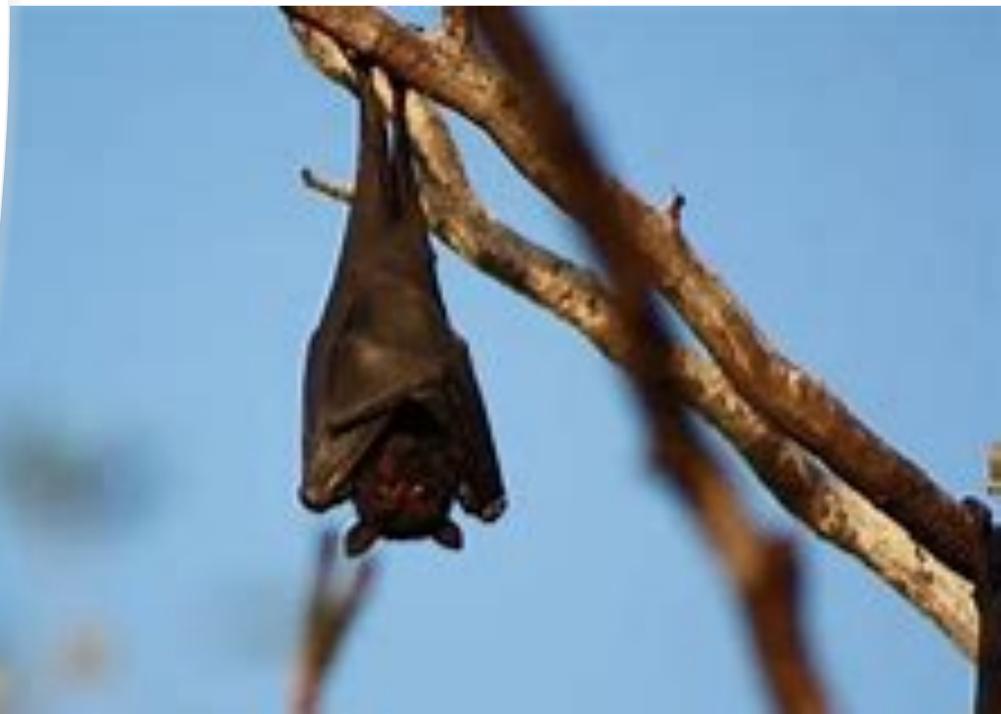
Nursery colonies have mommies and babies.

Bachelor colonies have daddies.

Bats make high sounds that bounce off obstacles and insects and help them find food in the dark. This is called echolocation.



Bat wings are like hands.
Bats sleep during the day.
They fly at night.





They help us by eating harmful insects.
They eat insects that damage plants.
They eat insects that carry diseases.
They help disperse seeds.
Bats also pollinate flowers.
Their “poop” —new word alert—
guano—is good fertilizer!

Be a Bat Thinker! What do you know about bats?

Bats are most closely related to an animal called a pangolin.

The largest bat eats fruit and is found in the Philippines.

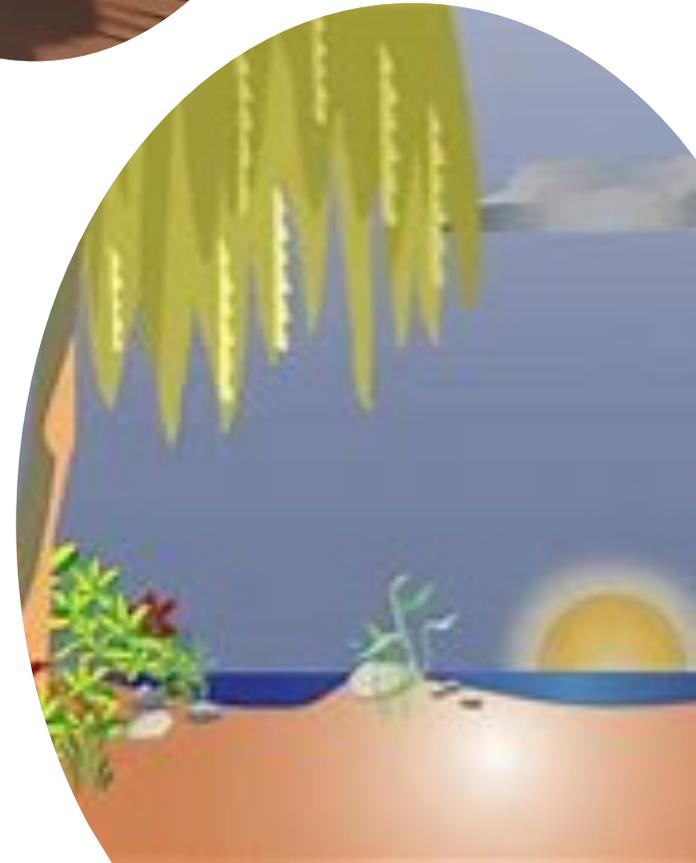
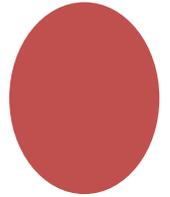
The smallest bat lives in Thailand and Myanmar.



Vampire bat tongues release chemicals to numb the skin and keep blood from clotting.

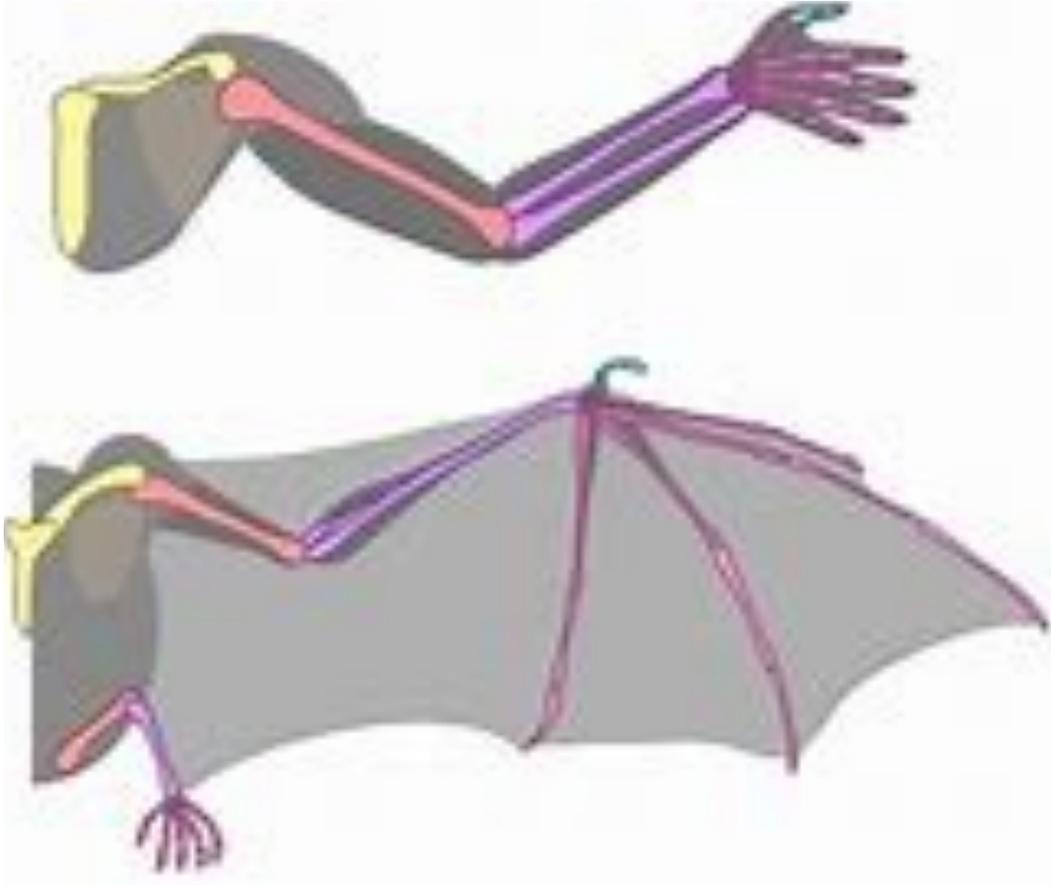


Bats are important for tropical and desert ecosystems—insect eating bats control insect populations, flower eating bats pollinate, and fruit eating bats disperse fruit and tree seeds.



https://www.google.com/search?q=bat+anatomy&safe=active&biw=1821&bih=816&tbm=isch&imgil=CHkp1cNtAxrg2M%253A%253Bzuyv1FeUKCkfhM%253Bhttps%25253A%25252F%25252Faskabiologist.asu.edu%25252Fexplore%25252Fbats&source=iu&pf=m&fir=CHkp1cNtAxrg2M%253A%252Czuyv1FeUKCkfhM%252C_&usg=__BeVGSdOJw5qRJhdSYh2kO0usZMQ%3D&dpr=0.75&ved=0ahUKEwiVzaPqi63MAhXF8CYKHTtuAD4QyjclLw&ei=xcgfV9XWI8XhmwG73IHwAw#imgrc=CHkp1cNtAxrg2M%3A





Bat wings have a structure like our hand—can you feel the bones in your hand and fingers?

Bats help us--

Pollinate



Propagate



Protect





Bats come in different sizes and colors.



You can be finger bats!

Bats have wings (arms to side)
And bats can fly. (flap)
Out at night (stretch)
Up in the sky! (up)





You can sing the song to *Frere Jacques*



Bats are hanging. (hands flopping down at wrists)

Bats are hanging

By their feet, (touching feet)

By their feet.

Sleeping in the morning sun. (head on hands)

Waiting for the night to come. (pointing to sky)

Then they'll hunt and eat, (hands going round)

Then they'll hunt and eat. (pointing to mouth)



You can sing this song to the tune of *You Are My Sunshine!*

I sleep in daytime, (head resting on hands)
The sunny daytime,
Hanging by my toes to rest. (pointing to toes)
For when the dark comes, (covering eyes)
I can go hunting.
That's when flying and hunting's the best! (flapping hands)



You can sing this song to *Down by the Station!*

Down in the bat cave (pointing down)

Sunny in the morning, (fist high)

See the tiny batty bats,

Hanging in a row. (fingers pointing down)

Evening's approaching, (closing eyes)

Time to go a hunting. (pushing out)

Flying, flying (hand darting around)

Out they go. (hand away from body)



Bat puppets for the bat songs!





The Mammal That Flies!

BATTY BATS



We have hands and bats have wings.
(arms out)



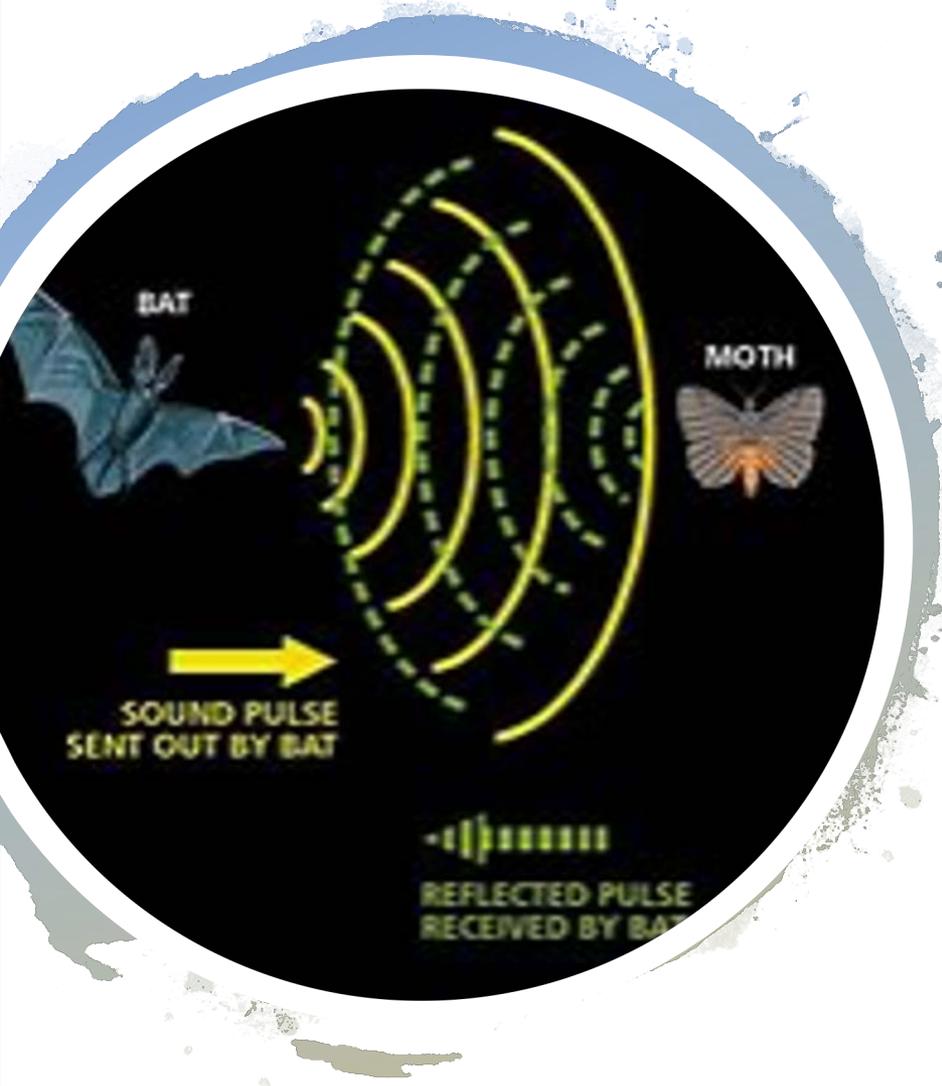
That let bats hunt and capture things! (hands swooping)



Sleeping upside-down by day, (flipping hand upside down)



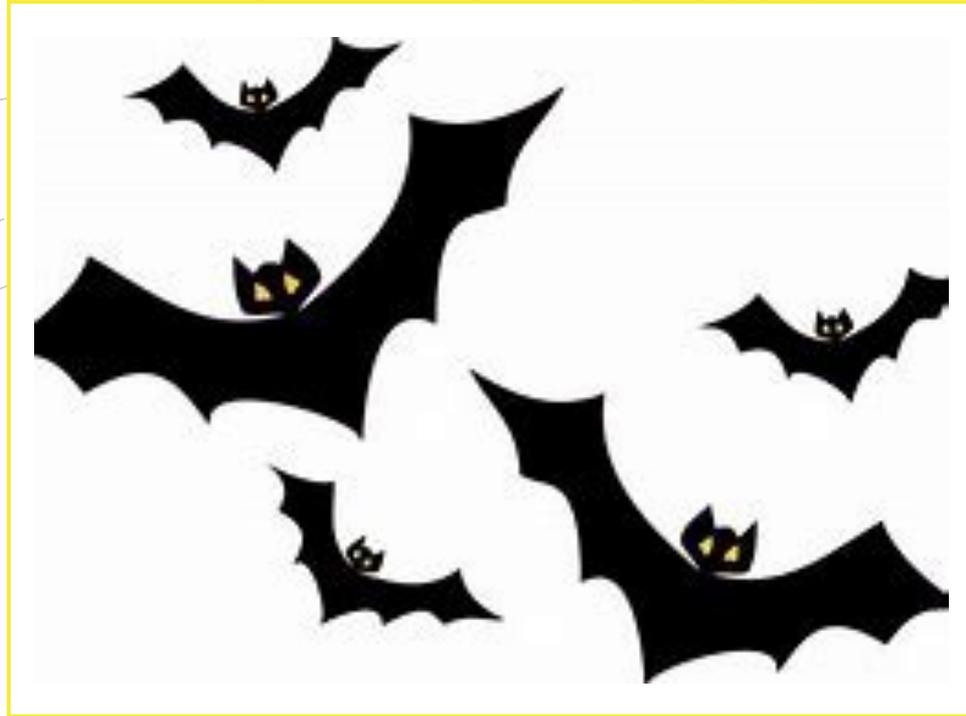
When darkness comes it's time to
play!(bouncing hands)



Making high sounds as they fly, (swirling hands)



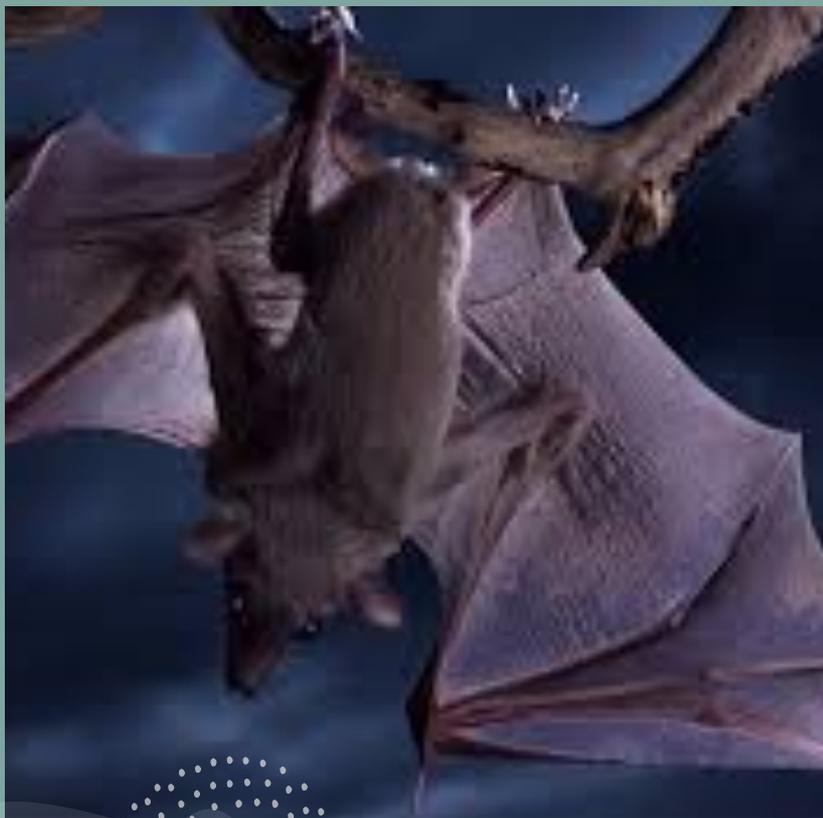
Telling them what's passing by! (catching bugs)



FIVE BATTY BATS

You can read the story and count the bats on your fingers!

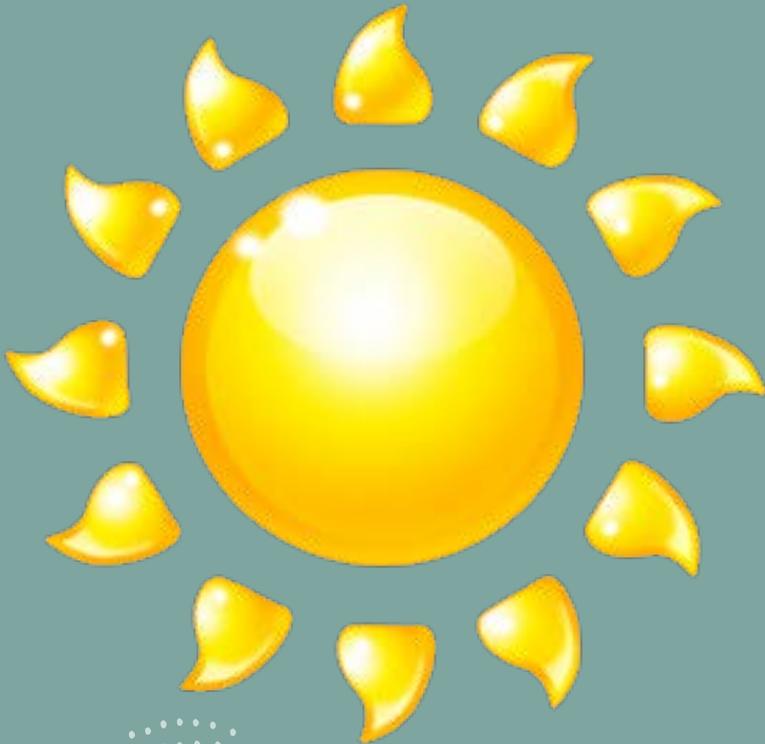
Five batty bats hanging by their toes. Bat Number 1 will sleep and doze.



Bat Number 2
flies far at night.



Bat Number 3 doesn't like daylight.



Bat Number 4 hunts bugs in the air,



While Bat
Number 5
flies
everywhere!



Five batty bats hanging by their feet. Soon they'll hunt up something to eat!

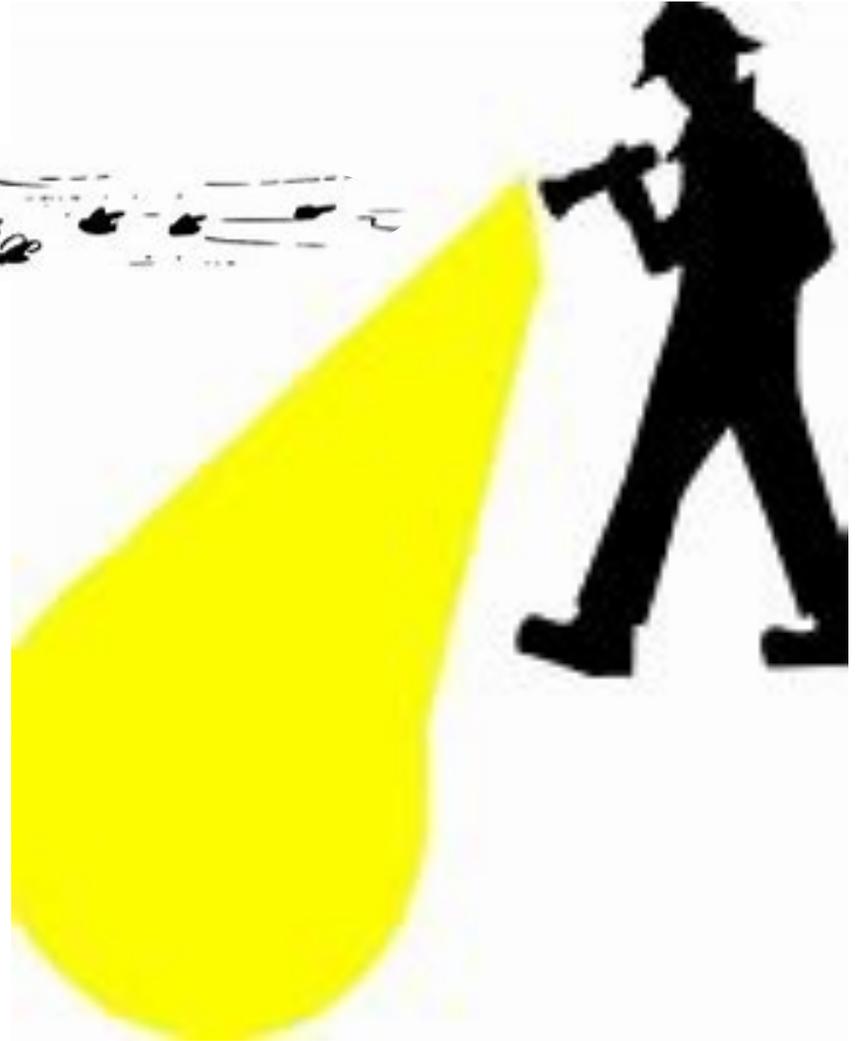


For a video of a bat teaching an orphan bat to fly go to:

<https://batworld.org/peekaboo2/>



You can hang bats sleeping in the trees near your house or go out when it's dark with a flashlight and see all the insects the bats can catch!



Bats for the Bat Hunt!



You can make a Bat Cave! Glue the bats flying out of the cave on this picture! You can also make a bat cave out of a paper bag.

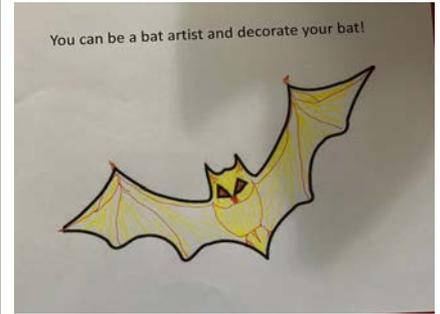


Bats flying out to glue on the Bat Cave!



You can be a bat artist and decorate your bat!





We are creators!

You can use a candy for the body, and pretzels for wings, and candy chips or raisins or seeds for eyes, to create your edible bat!

Yummy Bat Recipe





What are your Big Brain recipes for making a bat treat?

You can
make lots
of bats or
bats
hanging in
the peanut
butter bat
cave!



You can make a mini-book!

- Fold the paper in half
- Then in half again.

