



OCTOBER ACTIVITY SHEET

Use this activity sheet to explore the museum in a whole new way!

ACTIVITY #1

Visit *Outside In* throughout October to participate in a Halloween-themed scavenger hunt featuring our live animal friends.

ACTIVITY #2

October 16 is National Fossil Day. Celebrate while you're at the Academy by visiting the Fossil Prep Lab to see what our paleontologists are excavating.

ACTIVITY #3

Marty the Moose's October Book Club pick is *Tiny Creatures: The World of Microbes* by Nicola Davies. See the back of this page to learn more about the important lifeforms living right within our bodies!

A BAT REPUTATION

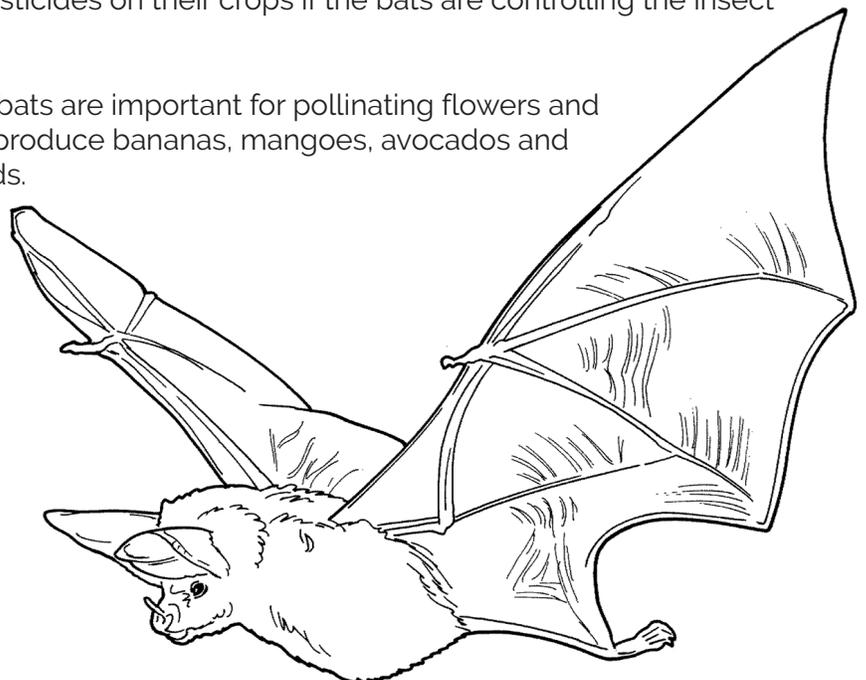
Bats have a bad reputation, but is there any reason to fear these winged mammals? Some people worry that bats have rabies, but very few bats have rabies, and it is extremely rare for bats to transmit rabies to humans.

We think bats are very beneficial! Most bats are insectivores and they eat *a lot* of insects. One little brown bat can eat up to 500 mosquitoes in one hour. Some farmers attract bats to their farms because they can use fewer pesticides on their crops if the bats are controlling the insect populations in their fields.

In more tropical regions of the world, bats are important for pollinating flowers and dispersing seeds. The fruit trees that produce bananas, mangoes, avocados and figs rely on bats to disperse their seeds.

The bat to the right is normally a reddish-brown color, but you can be creative when adding color to its body and wings.

Did you know? Bats make up about 20% of all mammals on earth! They can be found in many different habitats, from cities to jungles — as far north as Alaska and as far South as Argentina.





Don't forget your stamp.

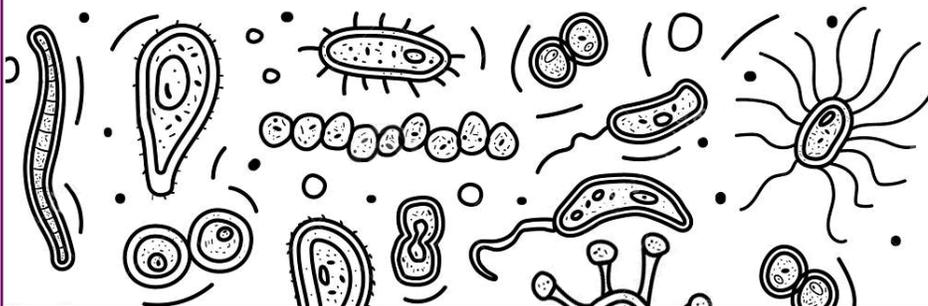
Get your monthly stamp at the admissions desks. If you have eight stamps, it's time to collect your prize in the Academy Shop!

IS YOUR BODY HUMAN?

Yes, of course your body is human. But did you know that human cells only make up about 43% of the total cells in your body? The other 57% of cells belong to microscopic colonists called microbes. That means more than half of your body is made up of non-human cells!

Microbes are microscopic organisms including bacteria, fungi, algae, amoebas and more. They are very important for our health. The good bacteria living in your gut helps you digest your food, protects you from diseases and much more.

Marty the Moose's October book club pick is *Tiny Creatures: The World of Microbes* by Nicola Davies. The book explains that microbes are everywhere, and they outnumber humans by *a lot*. One teaspoon of soil can contain up to one billion microbes — that's three times more than the amount of people in the United States. They serve so many purposes, including turning our food into compost, milk into yogurt, and rocks into soil. Find *Tiny Creatures* at your local library to learn even more.



Using the microbes to the left as inspiration, draw your own microbe here:

UPCOMING EVENTS

Members' Night

October 18
5–9 p.m.

Scientist Saturday

October 19
1–4 p.m.

Dinos After Dark

October 31
4–8 p.m.



The Academy of
Natural Sciences
of DREXEL UNIVERSITY

Regular Hours:
Monday–Friday,
10 a.m.–4:30 p.m.

Weekends and Holidays,
10 a.m.–5 p.m.

1900 Benjamin Franklin Parkway
Philadelphia, PA 19103
215-299-1022

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