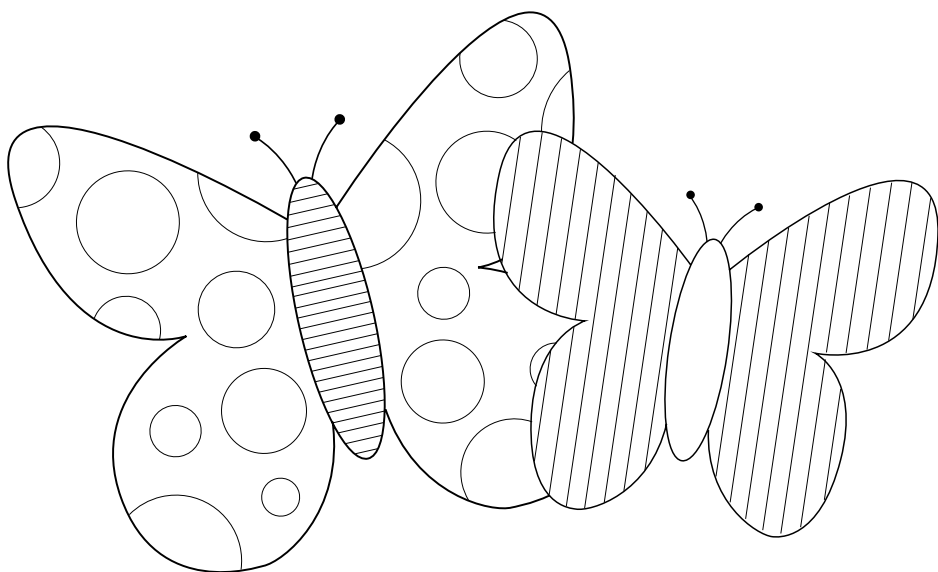


Girl Scouts of Eastern Missouri

Butterfly Blitz

2020



MISSOURI
BOTANICAL
GARDEN



SOPHIA M. SACHS
BUTTERFLY
HOUSE



SHAW
NATURE
RESERVE

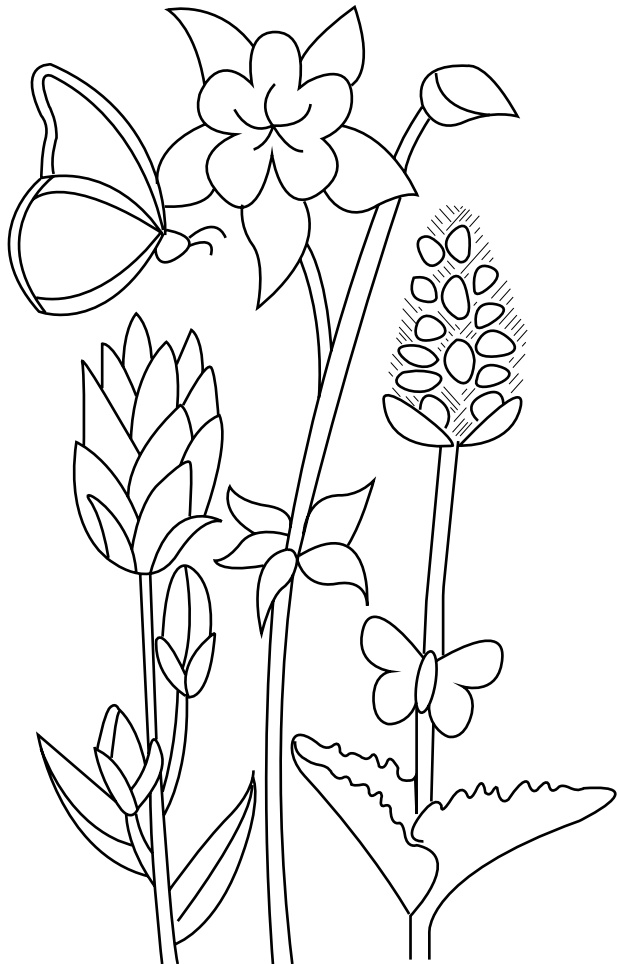
Welcome! We hope you enjoy your visit and learn a lot!

- Complete the activities in any order.
- Please stay on the pathways and with your group.
- Leave no trace; dispose of trash and recycling in the proper bins.

Butterflies are amazing!

Here are some fun facts about them:

- Butterflies taste with their feet.
- Each species only lays eggs on specific host plants.
- Most butterflies eat nectar, but some will eat sap or fruit juices instead.
- They make a chrysalis during metamorphosis.
- Butterflies live on every continent except Antarctica.
- Scientists estimate that there are about 15,000 species of butterflies.



The Butterfly Life Cycle

After you learn about the butterfly life cycle, stamp and label each stage below.

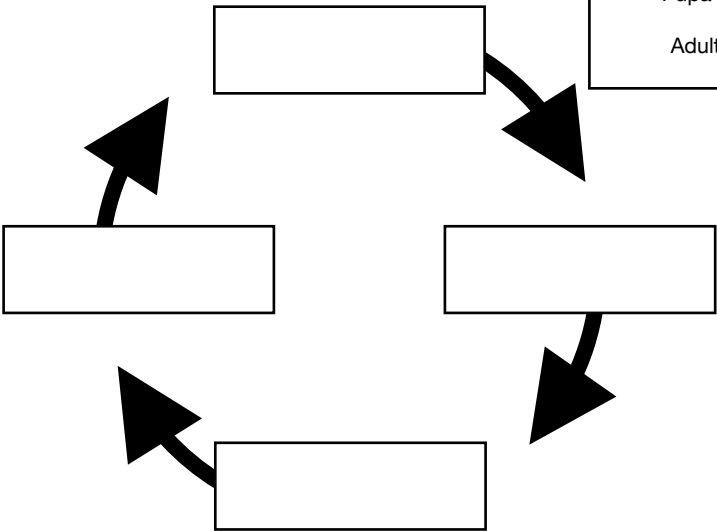
Life Cycle Word Bank

Egg

Larva (Caterpillar)

Pupa (Chrysalis)

Adult Butterfly



Can you describe what happens during each stage of the butterfly life cycle?

Stage 1

Stage 2

Stage 3

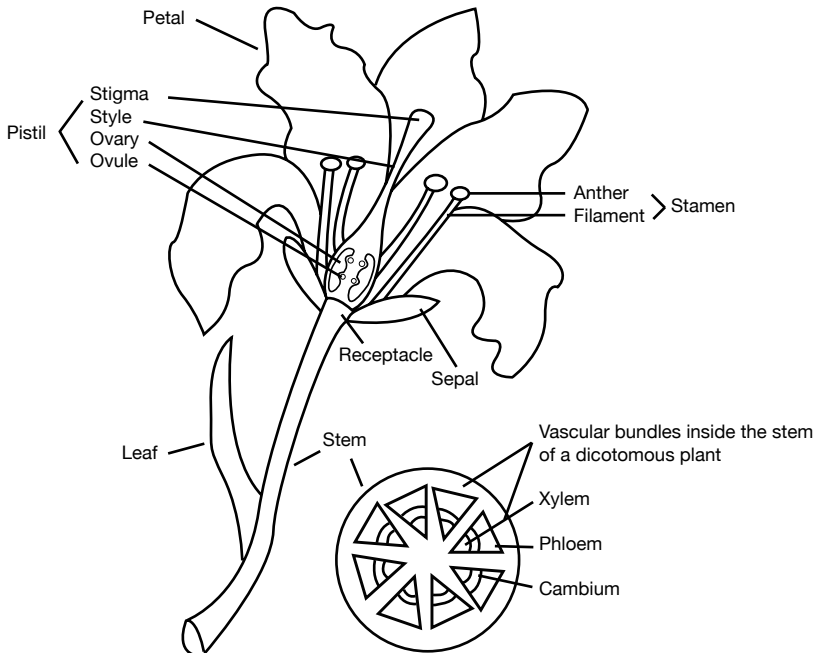
Stage 4

The Parts of Plants

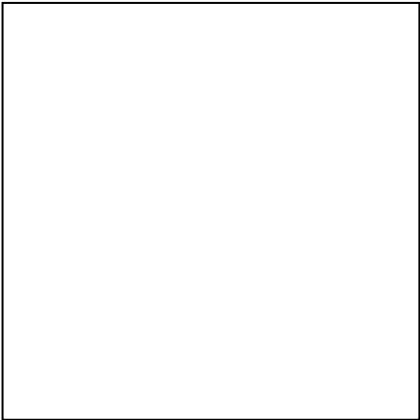
Butterflies cannot live without plants! Caterpillars eat leaves and adult butterflies use a special feeding straw, called a *proboscis*, to drink nectar from flowers.

Flowers have special parts that work together to make seeds. The stamen makes pollen and the pistil produces an egg. To make a seed, pollen has to find its way to the pistil and travel down to the egg. This is called pollination. Butterflies are known as pollinators because while they are sipping nectar from the flower, pollen often gets stuck to their body. When they travel to another flower the pollen sticks to the stigma (the top of the pistil) and can travel down to the egg.

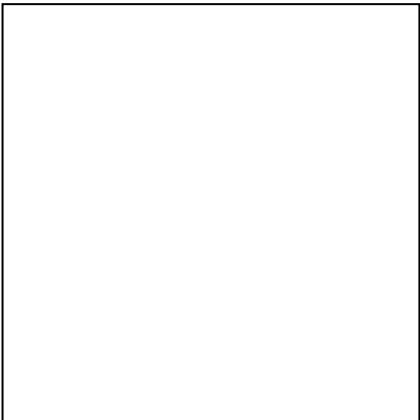
Here are the parts of a flower:



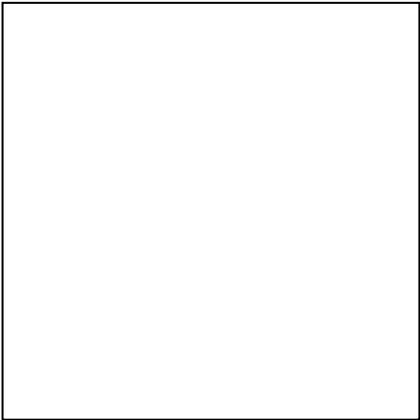
Draw a flower that you
find in a shady spot.



Draw a flower that you
find in a sunny spot.



Find a flower that
interests you and draw
the parts that you
can see.



Become an iNaturalist Expert

iNaturalist is a citizen science project. By participating, Girl Scouts will contribute to biodiversity knowledge and awareness in the Greater St. Louis area. Girl Scouts will also build upon their nature knowledge, keep track of their encounters, and learn from experts in the field.

To use iNaturalist:

1. Download the iNaturalist app and create a profile.
2. Click “Observe” and take a photo of a plant or animal in nature.
3. Click “What did you see?” to see species suggestions.
4. Click “Save” to keep a record of your observation.

List 3 plant or animal species that you are able to identify with the iNaturalist app.

1. _____
2. _____
3. _____

Draw or describe something that you identified below.

The Monarch Watch is another way for citizen scientists, like Girl Scouts, to participate in understanding more about Monarch migration. Visit the Monarch Watch website (monarchwatch.org) to learn about tagging monarchs and how migration data is collected. The data collected helps all scientists learn about the 1,500-mile journey that monarchs make from the St. Louis area to Mexico.

Take a Butterfly Hike

After you study butterflies and their hosts take a short walk to look for butterflies. Use your senses and describe what you observe below.

I see...

I hear...

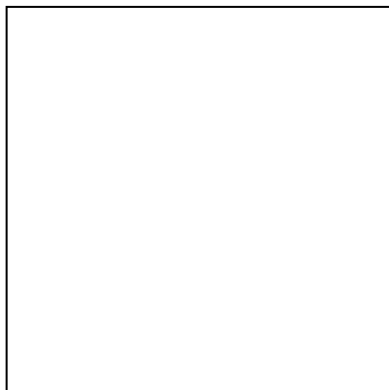
I smell...

I feel...

Use your observations skills! Describe where you see butterflies. Is it sunny or shady? What types of plants are there? What are the butterflies doing?

Make Your Backyard Butterfly-Friendly!

After you create a pollinator seed packet, draw or describe what you will do to help Missouri's butterflies.




What types of plants help butterflies?

What will you teach your friends and family about butterflies?

Thank you for visiting!

Continue the journey by visiting all three locations—the Missouri Botanical Garden, Sophia M. Sachs Butterfly House, and Shaw Nature Reserve.

 **MISSOURI BOTANICAL GARDEN**
4344 Shaw Blvd. • St. Louis, MO 63110
(314) 577-5100 • www.mobot.org

 **SHAW NATURE RESERVE**
307 Pinetum Loop Rd. • Gray Summit, MO 63039
(314) 577-9555 • www.shawnature.org

SOPHIA M. SACHS
 **BUTTERFLY HOUSE**
15193 Olive Blvd. • Chesterfield, MO 63017
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