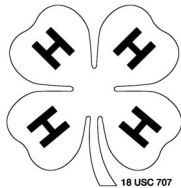
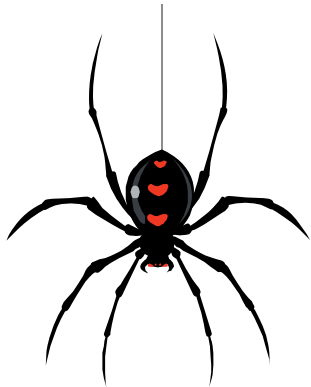
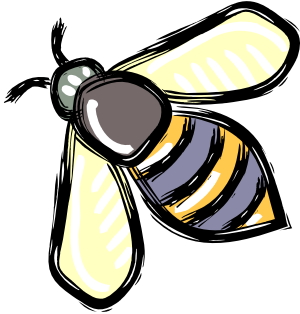


# Hendricks County

## Mini 4-H



Developed by:

Karla Smith, Program Assistant-Purdue Extension Hendricks County

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# Mini 4-H Parent's Page

We welcome you and your child to the Mini 4-H program. Mini 4-H is for youth who are in either first or second grade during the current 4-H year. Mini 4-H is designed to supplement and introduce both first and second graders to the Hendricks County 4-H program.

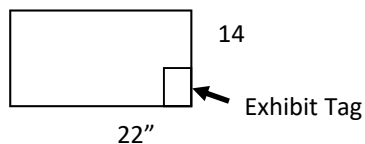
As a Mini 4-H parent, your job is to guide your child through the activities. It is suggested that you do not complete the activities for them. Instead, help them, guide them, work with them, and let them do all that they possibly can. Learning by doing is the best educational tool that we can provide for our youth.

Additionally, the Mini 4-H program is set up to allow your child to exhibit a project at the 4-H Fair. This project is based on information within this manual. The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests and enthusiasm for learning.

Mini 4-H is fun! Your child will certainly enjoy it. You can have fun too, by guiding and helping as your child participates in the program. Encourage and praise your child as he/she has fun learning and sharing

## Rules

1. Mini 4-H is open to any youth who is enrolled in either the first or second grade on January 1st of the current year.
2. Any Mini 4-H participant may enroll in one (1) or two (2) projects. There are 16 projects to choose from. **Participants may exhibit only one (1) activity from a project book at the Hendricks County 4-H Fair (up to 2 projects total).** Additional activities can be done at home, but will not be exhibited.
3. It is encouraged that Mini 4-H participants enroll in the County Mini 4-H club, and their projects are done at home.
4. **ALL POSTER EXHIBITS MUST (NOTE: Not all Mini 4-H exhibits will be on a poster board):**
  - A. Have a solid, stiff backing, which is 14" high by 22" wide. This can be HEAVY cardboard or foam core board. The board must be able to stand by itself (Foam core board is available in the Extension Office for a minimal cost)
  - B. Be positioned HORIZONTALLY.
  - C. Have a total exhibit board no larger than 14" high by 22" wide.



All youth will need to complete Enrollment via 4Honline and Fair Entry will need to be completed by July 1st of the current school year. Exhibit Tags will be ready the week before Fair. More information will be sent home as the Fair approaches.

- D. Be COMPLETELY COVERED with CLEAR PLASTIC material. (Available in the Extension Office for a minimal cost.)
5. Mini 4-H participants will complete activities in the book. The Record Sheet located in the back of the project book needs to be completed and will be turned in with their exhibit at the Fair.

# Mini 4-Her's Page

Welcome to Mini 4-H! You are now a member of the 4-H family. You are a special person. Mini 4-Her's have a lot of fun! There are many activities for you to explore. You can try new things. You can share it with your friends and family. Mom, Dad, or another adult can help you with your project. Bring your project to the 4-H Fair and lots of people will be able to see what you have done. You also get a ribbon made just for 4-Her's.

Here a few things to know about 4-H.

The 4-H Symbol: A four-leaf clover with an "H" on each leaf

4-H Colors: Green and White

The 4-H Motto: "To make the best, better"

## 4-H PLEDGE

I pledge my **HEAD** to clearer thinking,

I promise to use my head to make good choices.

my **HEART** to greater loyalty,

I promise to use my heart to be a good friend.

My **HANDS** to larger service,

I promise to use my hands to do helpful things for others.

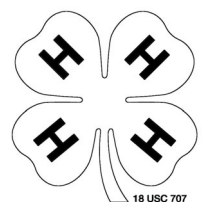
And my **HEALTH** to better living,

I promise to take care of my body and to show others to live in a healthy way.

For my club, my community,

I promise to help my group, my community,

My country, and my world



# Bug Activities

Bugs! Bugs! They are everywhere! Did you know there are more types of bugs and insects than any other animal life? You can watch and learn about bugs anywhere. They live in water and in the soil. They live in cold, warm and hot places. Bugs live in wet and dry places. They live in bright and dark places. Some bugs are outside, but some might be in your house. There are bugs that have a lot of color and are easy to see. Other bugs are very hard to see. Some bugs make noises, and some bugs are very quiet.

Most bugs are **insects**. An insect has 3 body parts and 6 legs. Spiders are not insects. They have 2 body parts and 8 legs. You will learn more about bugs and observe bugs that live near you. This project will help you learn to read and follow directions, choose an activity, be neat, and have fun.

## **Before you get started:**

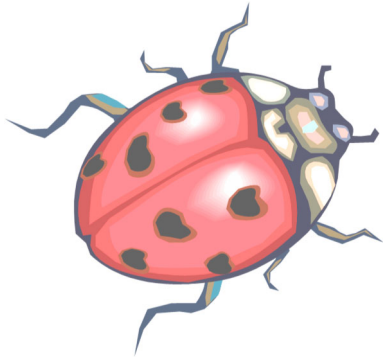
- Pick an activity to do.
- Read the directions carefully.
- Make sure you have all of the needed materials.
- Clean up your work area and put your supplies away when you are finished.
  - Complete your Mini 4-H Book pages.
  - Enjoy your activity.

## **Exhibit**

First Grade: - A product from “My Butterfly” **or** “Bug Lab”  
- Completed Record Sheet

Second Grade: - A product from “Thumbprint Bugs” **or** “Backyard Bugs”  
- Completed Record Sheet

# Bug Identification



**LADYBUG**

Ladybugs protect crops by eating plant-eating insects such as aphids.



**SPIDER**

Some spiders build web communities where up to 50,000 spiders can live.



**GRASSHOPPER**

An adult grasshopper can leap 10 times its length.



**BEE**

Bees help plants grow by spreading the pollen around to other plants.



**ANT**

Ant colonies have one queen who lays thousands of eggs.



**STAG BEETLE**

The large antlers on a stag beetle are really mandibles, which are its jaws.

# First Grade

## My Butterfly

### Needed Materials:

- Butterfly Pattern Page (page 9)
- 8 1/2" X 11" Construction Paper or White Paper
- Pencil
- Crayons or Markers
- Scissors
- Tape
- Chenille Pipe Cleaners
- Poster Board (see page 3)

### Directions:

Fold paper in half like a book.

Cut the butterfly pattern out and place on top of the folded paper. Make sure the straight line of the butterfly is on the fold.

Trace the butterfly pattern with a pencil and cut out the shape. **Do Not Cut the Fold Side.**

Unfold the paper and you should have a butterfly shape. Decorate one side of the butterfly. Color the other side to match. If you have a red circle and blue stripe on one side, then the other side should look the same.

Fold the pipe cleaner in half and curl the ends. Tape on the back of the butterfly head.

Make 3 butterflies (each a different design).

Mount butterflies on poster board (see page 19).

Clean up your work area and put your supplies away.

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

# Bug Lab

## Needed Materials:

- Large Jar with lid
- Small Screwdriver
- Hammer
- Leaves, Twigs, Grass, etc.
- Insect or Spider Lab Observation Sheets—in this manual
- Crayons or Colored Pencils
- Poster board (see page 3)
- Small Piece of Fruit (optional)
- Water

## Directions:

Have an adult hold the pointed end of the screwdriver vertically against the lid of the jar, and tap the other end with the hammer to poke small holes all over the lid.

Go outside and find some twigs, leaves, and grass. Fill the jar with those and sprinkle a couple drops of water inside. You may want to add a tiny piece of fruit.

Search your backyard or outside area for insects and/or spiders. Look under rocks and logs, on trees and bushes, and anywhere else you think you might find one.

Add the insect or spider to the jar and cover it with the lid.

Record what you see your specimen doing on the **Insect or Spider Lab Observation Sheets**. Answer the questions and draw your specimen. Set the insect or spider free before the end of the day.

Clean up your work area and put your supplies away.

Take two **(2) Insect or Spider Lab Observation Sheets** and mount them on a poster board. (See page 27 on poster making)

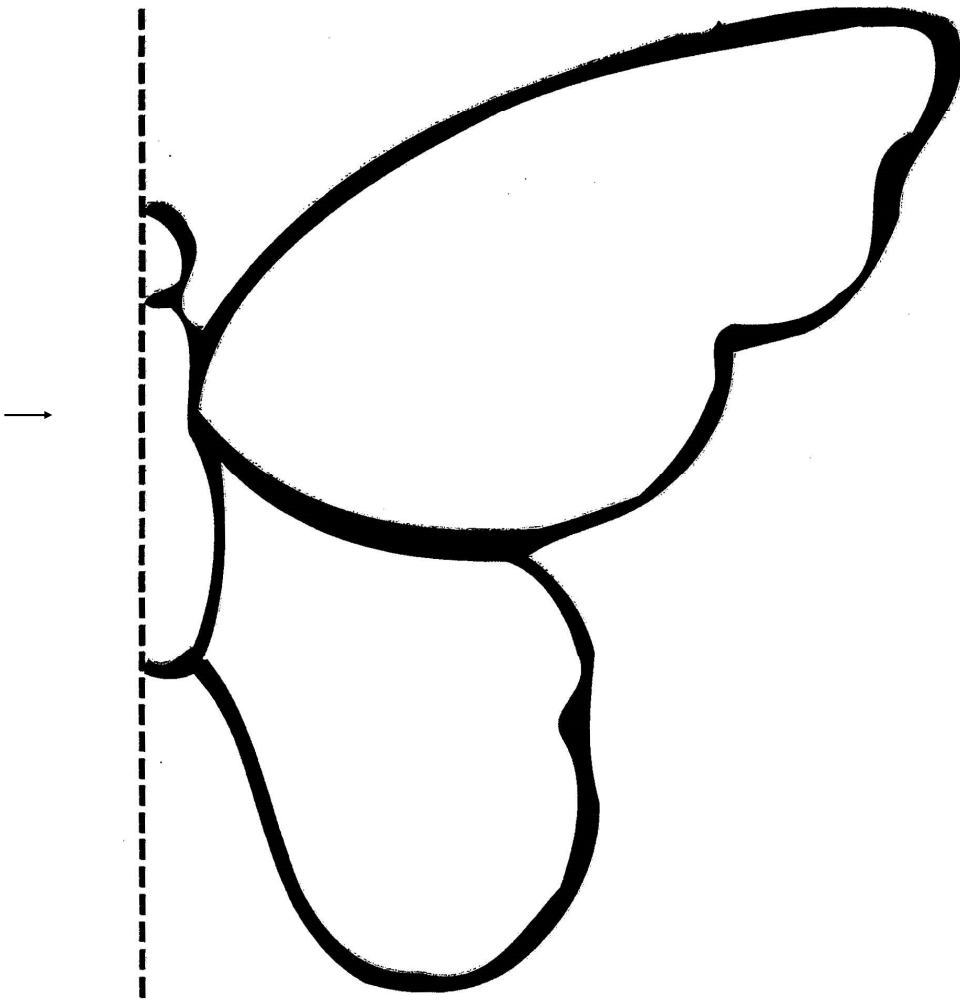
NOTE: You may use two insect observations, two spider observations, or one of each. Two of each have been included in this manual.

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.



# Butterfly Pattern Page

Place on the fold side of your paper.





## Insect Lab Observation Sheet

Like all insects, this insect has \_\_\_\_\_ legs.

I believe this insect is commonly known as a(n):

---

I picked this insect to observe because \_\_\_\_\_

---

For nourishment, I provided the insect with \_\_\_\_\_

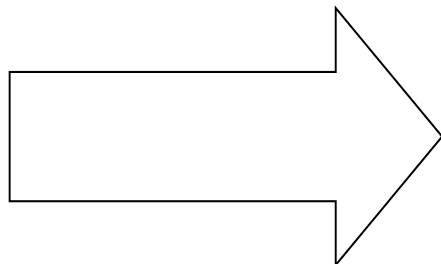
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\_\_\_\_\_ to eat.

I observed that it ate \_\_\_\_\_.

I observed it for \_\_\_\_\_ hours.

Here is a drawing of what I  
observed





## Insect Lab Observation Sheet

Like all insects, this insect has \_\_\_\_\_ legs.

I believe this insect is commonly known as a: \_\_\_\_\_

---

I picked this insect to observe because \_\_\_\_\_

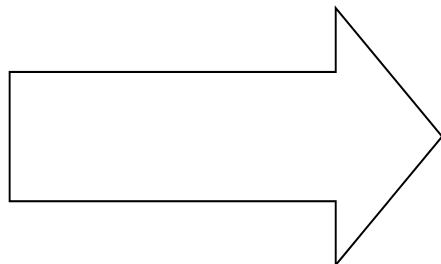
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For nourishment, I provided the insect with \_\_\_\_\_  
\_\_\_\_\_ to eat.

I observed that it ate \_\_\_\_\_.

I observed it for \_\_\_\_\_ hours.

Here is a drawing of what I  
observed





## Spider Lab Observation Sheet

Like all spiders, this spider has \_\_\_\_\_ legs.

I believe this spider is commonly known as a(n): \_\_\_\_\_

---

I picked this spider to observe because \_\_\_\_\_

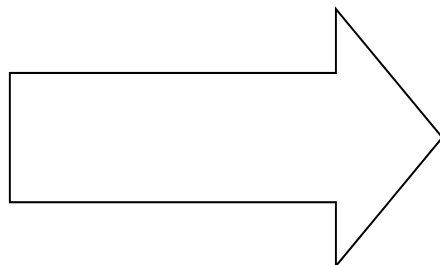
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For nourishment, I provided the spider with \_\_\_\_\_  
\_\_\_\_\_ to eat.

I observed that it ate \_\_\_\_\_.

I observed it for \_\_\_\_\_ hours.

Here is a drawing of what I  
observed







## Spider Lab Observation Sheet

Like all spiders, this spider has \_\_\_\_\_ legs.

I believe this spider is commonly known as a(n): \_\_\_\_\_

---

I picked this spider to observe because \_\_\_\_\_

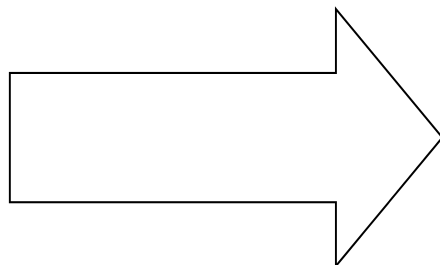
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For nourishment, I provided the spider with \_\_\_\_\_  
\_\_\_\_\_ to eat.

I observed that it ate \_\_\_\_\_.

I observed it for \_\_\_\_\_ hours.

Here is a drawing of what I  
observed





# Second Grade

## Thumbprint Bugs

### **Needed Materials:**

- **My Bug Jar** sheet (page 21)
- Colored Paint (water based, tempera, ink pad)
- Black Marker
- Newspaper /Paper Towel
- Damp Rag
- Poster Board (see page 3)

### **Directions:**

Have an adult talk to you about different types of bugs. Look at images in books or on the internet and talk about the body parts that make up a bug.

Dip your finger in paint or place on an ink pad. Practice blotting paint on the newspaper or paper towel until it makes a good fingerprint without turning into a blob.

Stamp your fingerprint in the jar to make various bugs. Wipe finger off on damp rag before using a different color. Remember to make the correct number of body parts for each bug. Continue until jar is full.

Let paint dry.

Outline bugs with a black marker and add legs, antennae etc.

Clean up your area and put your supplies away.

Mount the My Bug Jar sheet on poster board and remember to answer the questions at the bottom of the page (see page 27).

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

# Backyard Bug Scavenger Hunt

## Needed Materials:

- A patch of bug-filled open space such as a yard, park or garden
- My Bug Chart—in this manual
- Bug Observation Sheet—in this manual
- Pencil or Marker

Have an adult discuss the different types of bugs you might find on your walk, such as: ants, bees, fly, ladybug, and butterflies.

Take **My Bug Chart** with you and mark what you observe about the different bugs you see.

If there is a bug you see that is not on the chart, draw it in a space under the Bug Column and mark your observations on the chart.

Discuss with an adult the information on your graph.

Discuss which bug you saw the most or least often.

Take your **Bug Observation Sheet** and pick 2 of your favorite bugs to answer the questions on this page.

Mount your Chart and Observation Sheet on poster board (see page 27).

If planning to exhibit this option at the fair, be sure to add the information to FairEntry once the system opens. This will be used to print your exhibit tag for display at the fair.

# My Bug Jar






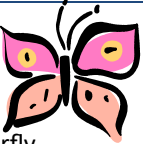




In my bug jar, you will find \_\_\_\_\_ insects and \_\_\_\_\_ spiders. Remember, it is easy to tell the difference between insects and spiders because insects have \_\_\_\_\_ legs and spiders have \_\_\_\_\_ legs.

The favorite bug in my jar is the one that..... \_\_\_\_\_

---



# My Bug Chart

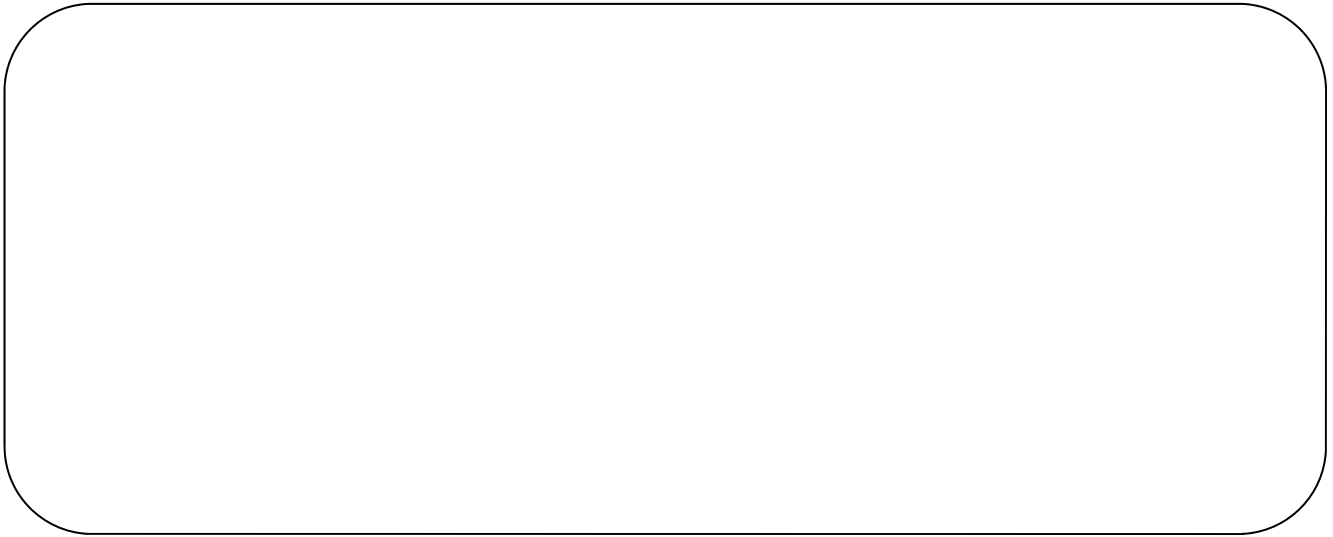
Bug Column	I fly	I crawl	I fly and crawl	I am one color	I am two colors	I am bigger than this 	I am smaller than this 	Record how many of each you observed
 Ant								
 Butterfly								
 Bee								
 Fly								
 Ladybug								
 spider								
<hr/>								
<hr/>								





# Bug Observation Sheet

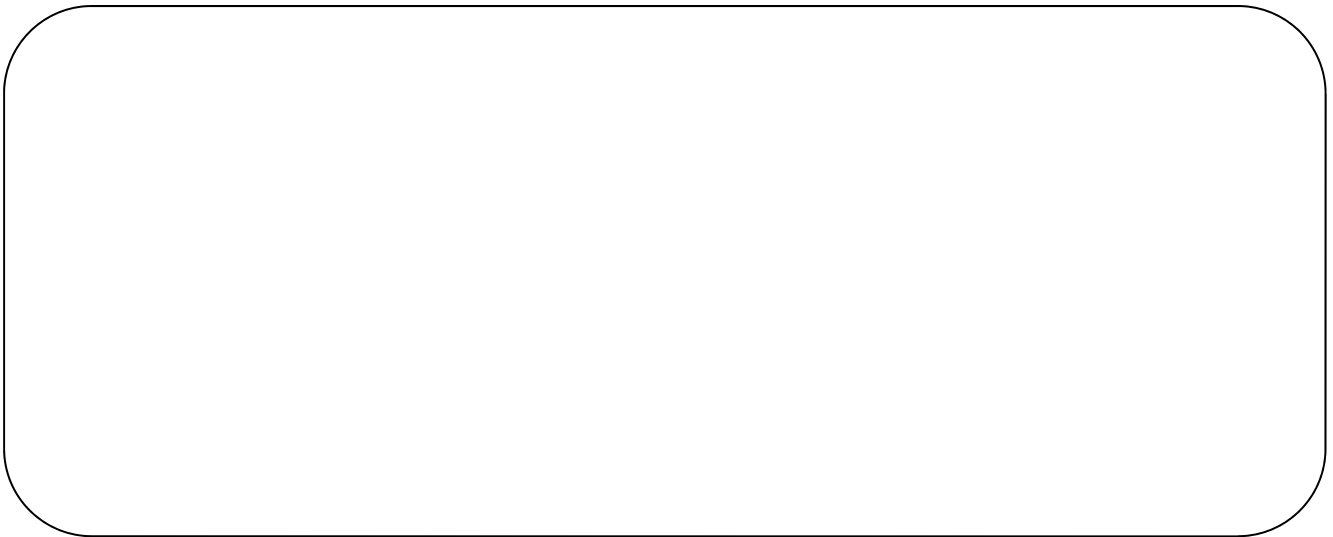
Now it is time to go outdoors for some observation. That means watching and noticing important or interesting things about your bug. Find 2 bugs that you really like and draw a picture of them in the boxes below. Then write 1 or 2 observations about each bug.



Color: \_\_\_\_\_ Shape: \_\_\_\_\_

This insect is \_\_\_\_\_

\_\_\_\_\_



Color: \_\_\_\_\_ Shape: \_\_\_\_\_

This insect is \_\_\_\_\_

\_\_\_\_\_



# 4-H Fair Exhibit

Listed below are projects you can exhibit at the 4-H Fair judging. Check the fair book for the date and time it is due. The fair book may also list special exhibit rules. You may only exhibit 1 project from this book.

If you have any questions about your projects, please call your Mini 4-H Leader or the Extension Office.

INCLUDE completed Record Sheet with your exhibit.

## First Grade

- My Butterfly
- Bug Lab

## Second Grade

- Thumbprint Bugs
- Backyard Bugs

# Mounting Your Pictures

Needed Materials:

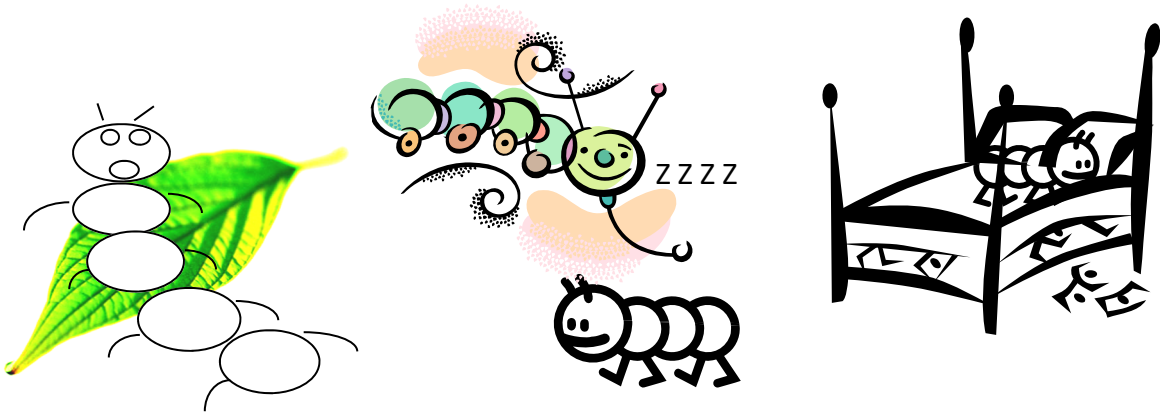
- Rubber Cement or Double Sided Tape
- Scissors
- Poster Board
- Clear Plastic

Directions:

- An adult or teenager can help you cut the poster board. Cut a piece of poster board or foam board so it is 14" high by 22" wide or appropriate sized board available at the Extension Office.
- Use rubber cement or small pieces of double sided tape.
- Arrange the items neatly on your board. Be sure to include a title for your poster.
- Poster must be completely covered by a clear plastic material.

**Good Luck at the 4-H Fair!**

# “Bedtime Bugs Scrambled Sentences”



Unscramble the following sentences and write the correct sentence on the lines.

1. legs. The bug six has

---

---

---

2. bug on The leaf. sleeps

---

---

---

3. snoring. The is bug

---

---

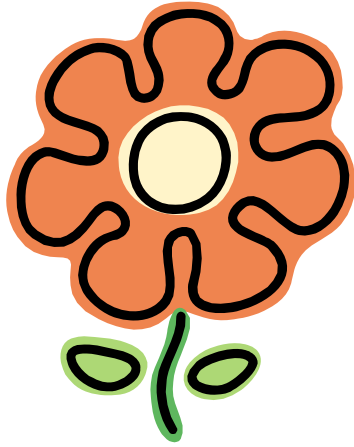
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4. Bugs sleep. of a lot need

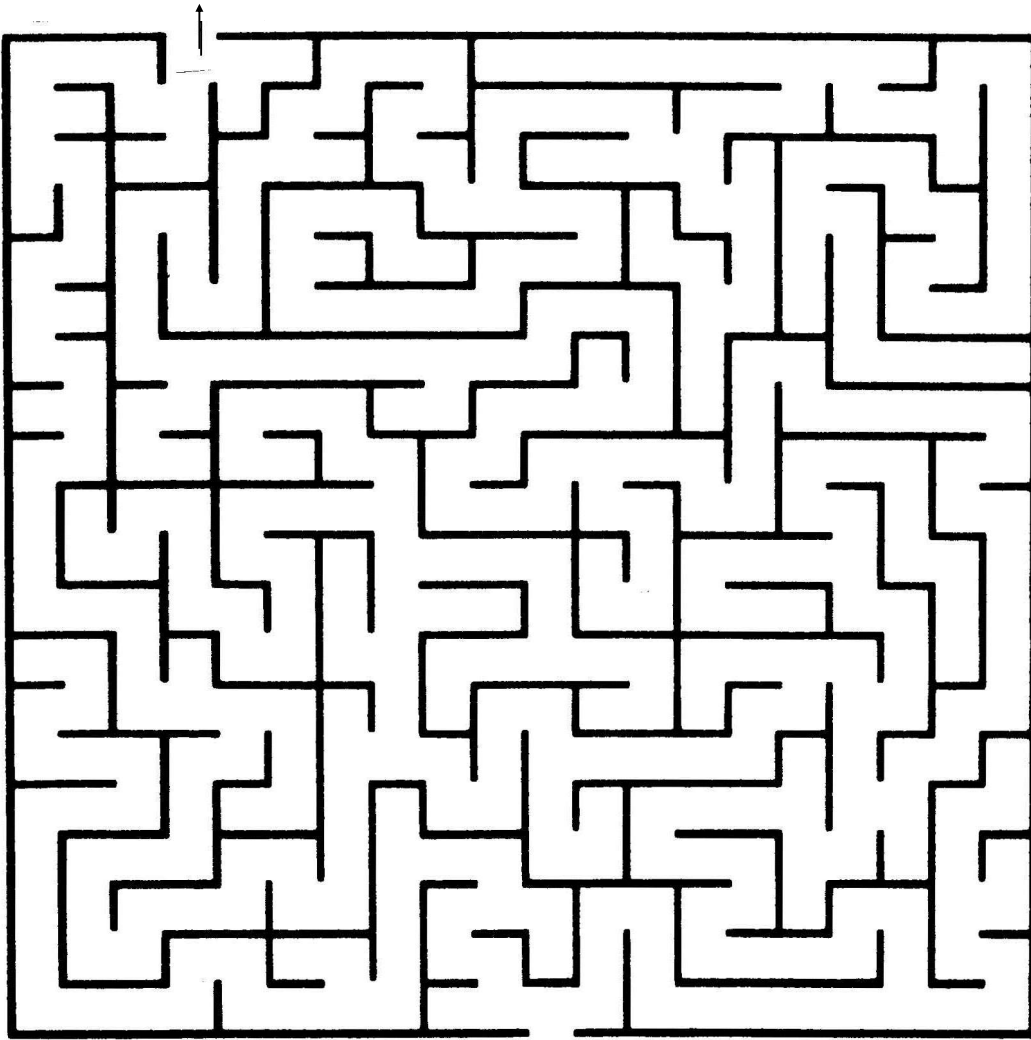
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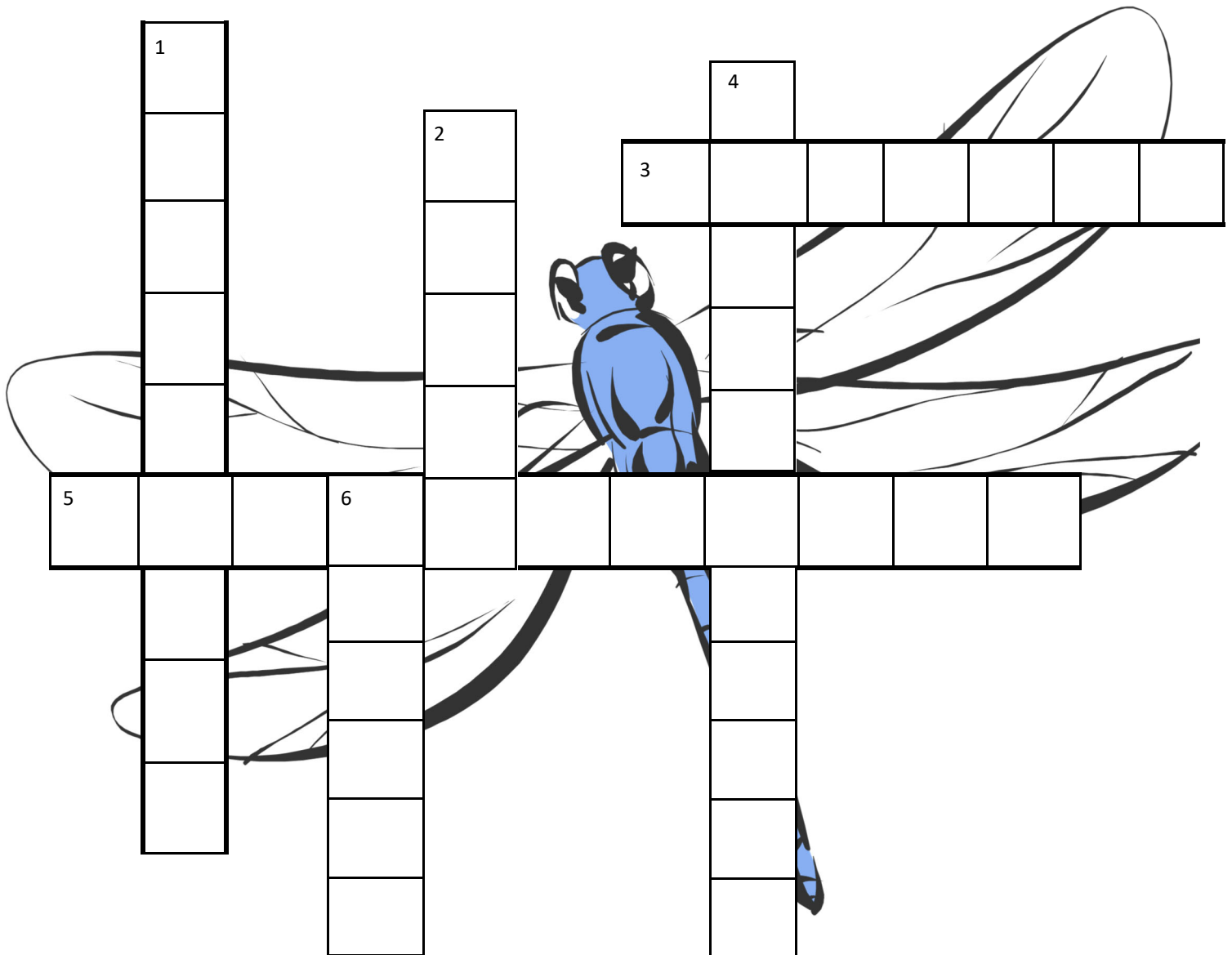
Help the butterfly  
find the flower!



# Bug Crossword

## WORDS

MOTHS GRASSHOPPER SPIDER BUTTERFLY LADYBUG CATERPILLAR



### ACROSS

- 3. Small, round beetles that are often red with black spots.
- 5. A grass eating insect with long hind legs it uses to jump.

### DOWN

- 1. A flying insect that feeds on nectar.
- 2. Insects with feathery antennae that are awake at night
- 4. The larva of a butterfly or moth.
- 6. Spins a web and has 8 legs.



# Mini 4-H Bugs Record Sheet

My favorite bug is \_\_\_\_\_.

My favorite bug moves by \_\_\_\_\_  
\_\_\_\_\_.

If I could be a bug, I would look like  
this:

Name: \_\_\_\_\_

Date: \_\_\_\_\_