

Completed (40 possible) \_\_\_\_\_  
 Accuracy of answers (30 possible) \_\_\_\_\_  
 Appropriate grammar (15 possible) \_\_\_\_\_  
 Neatness of record (15 possible) \_\_\_\_\_  
 Total \_\_\_\_\_

A = 86-100 points  
 B = 71-85 points  
 C = 70 points or less



# 4-H Entomology Advanced Record Sheet

Record for Year \_\_\_\_\_

A completed record sheet is due by the last business day of May to exhibit each project at the fair.  
 Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

## The Basics

Name \_\_\_\_\_ 4-H Club \_\_\_\_\_

Years in 4-H \_\_\_\_\_ Grade \_\_\_\_\_ Years in Project \_\_\_\_\_

## From the Ground Up

What is hemolymph and how does it compare to humans? \_\_\_\_\_  
 \_\_\_\_\_

Describe how a Giant Scavenger Beetle's legs differ from a locust or grasshopper. \_\_\_\_\_  
 \_\_\_\_\_

Explain how a dichotomous keys aids in insect identification (ie. how does it work?). \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Exploring the World

Name one insect from each of the families listed below.

- Collembola: \_\_\_\_\_
- Dermaptera: \_\_\_\_\_
- Diptera: \_\_\_\_\_
- Ephemeroptera: \_\_\_\_\_
- Homoptera: \_\_\_\_\_
- Isoptera: \_\_\_\_\_
- Mantodea: \_\_\_\_\_
- Megaloptera: \_\_\_\_\_
- Neuroptera: \_\_\_\_\_
- Odonata: \_\_\_\_\_
- Phasmatodea: \_\_\_\_\_
- Piecoptera: \_\_\_\_\_
- Siphonaptera: \_\_\_\_\_
- Thysanoptera: \_\_\_\_\_
- Trichoptera: \_\_\_\_\_

## Flying High

Does Indiana have a state insect? \_\_\_\_\_ If yes, what is it? \_\_\_\_\_

Which exhibit did you choose this year?     Insect Collection     Educational Exhibit

If you chose insect collection, how many insects will you display this year? \_\_\_\_\_

If you chose educational exhibit, describe the theme you plan to use for your exhibit. \_\_\_\_\_

We do not necessarily care what you spent constructing your exhibit, but it is good for you to understand that things have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit or think you'll spend once it is complete?

\$0.00-\$5.00    \$5.00-\$15.00    \$15.00-\$30.00    \$30.00-\$50.00    Greater than \$50.00

What is your favorite insect, and why is it your favorite? \_\_\_\_\_

## Insect Investigator

What is an invasive insect that can be found in Indiana? \_\_\_\_\_

Why is this insect detrimental? \_\_\_\_\_

Name one native and one non-native insect to Indiana. What damage, if any, do they cause physically or economically? \_\_\_\_\_

Name three colleges or universities in which you could study entomology.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

What is one thing you learned or sparked your interest as a result of completing this project? \_\_\_\_\_

In what way does this project apply to your life, or why is this subject matter important to you? \_\_\_\_\_