



Lepidopterist Lab: Field Study Guide

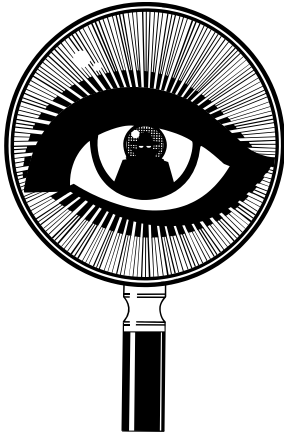
Name: _____

Teacher: _____



2013

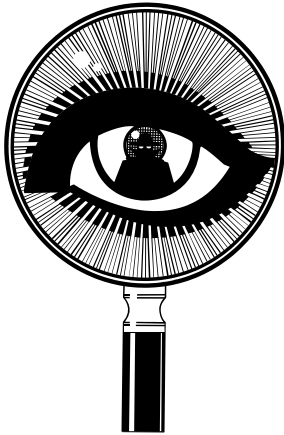




Dear Science Friend,

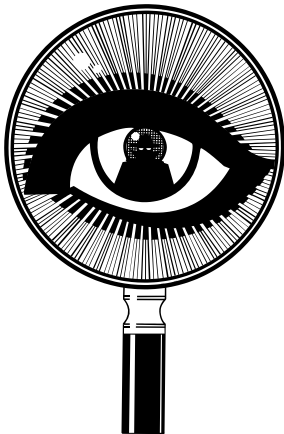
We look forward to bringing the world of science into your classroom and working with you to observe, examine, and analyze specimens from our live collections.

You may or may not have noticed that insects are everywhere! Some people may consider insects to be annoying, creepy, or even dangerous, but the fact is, insects are integrally important to our lives in many ways.



Not only do insects pollinate the majority of flowers that we grow, they also pollinate the food that we eat. Some insects provide us with food such as honey, while other insects spin the silk that we use to make fabric. We use insects to help us solve crimes, through forensic entomology, and we use insects to perform all kinds of important research.

No matter what insects have to offer us, insects play an important role in the food chain of the natural world and without them, our lives would not be the same.

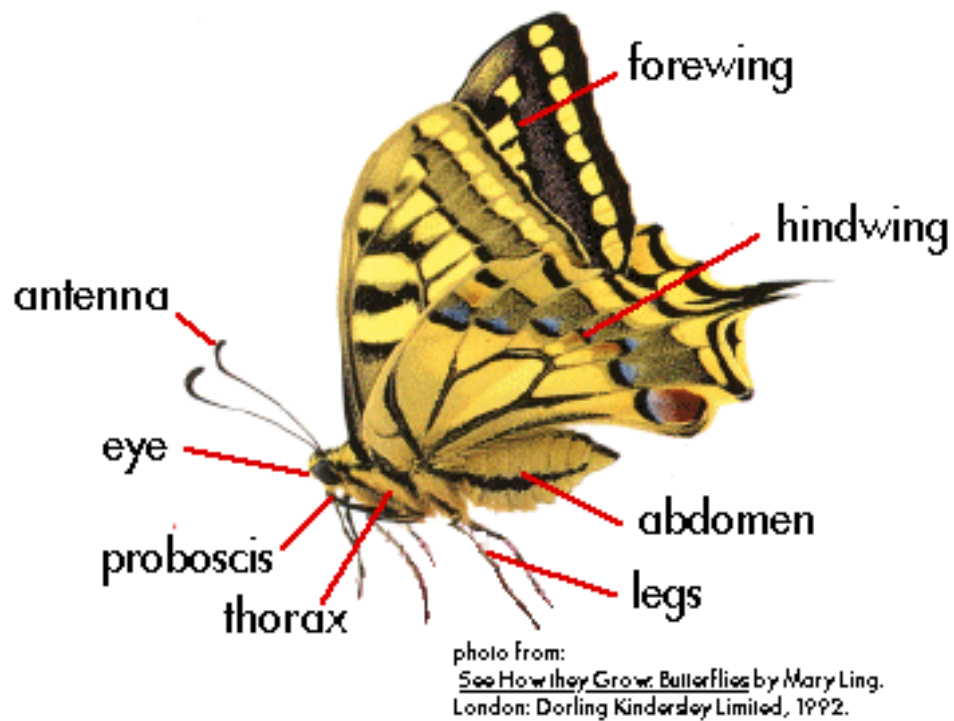


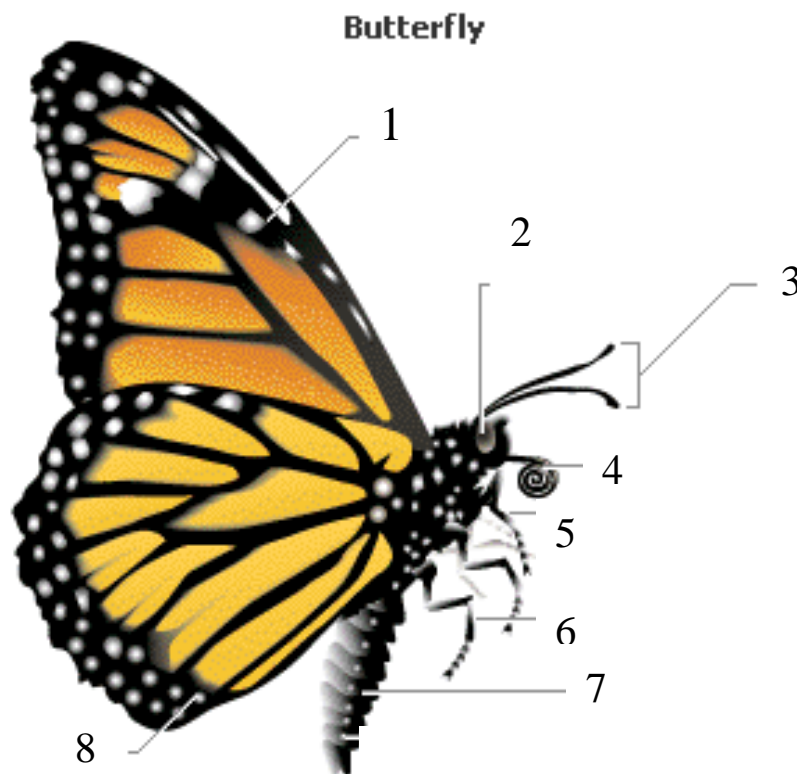
We hope to learn many more things about insects together with you and we hope that you enjoy the following activities before or after we come. On the last page of this guide there is a small space to write down any questions you have.

Sincerely,
The Education Team

Butterfly Anatomy

1. Study the anatomy of the butterfly.
2. On the following page, test your knowledge.



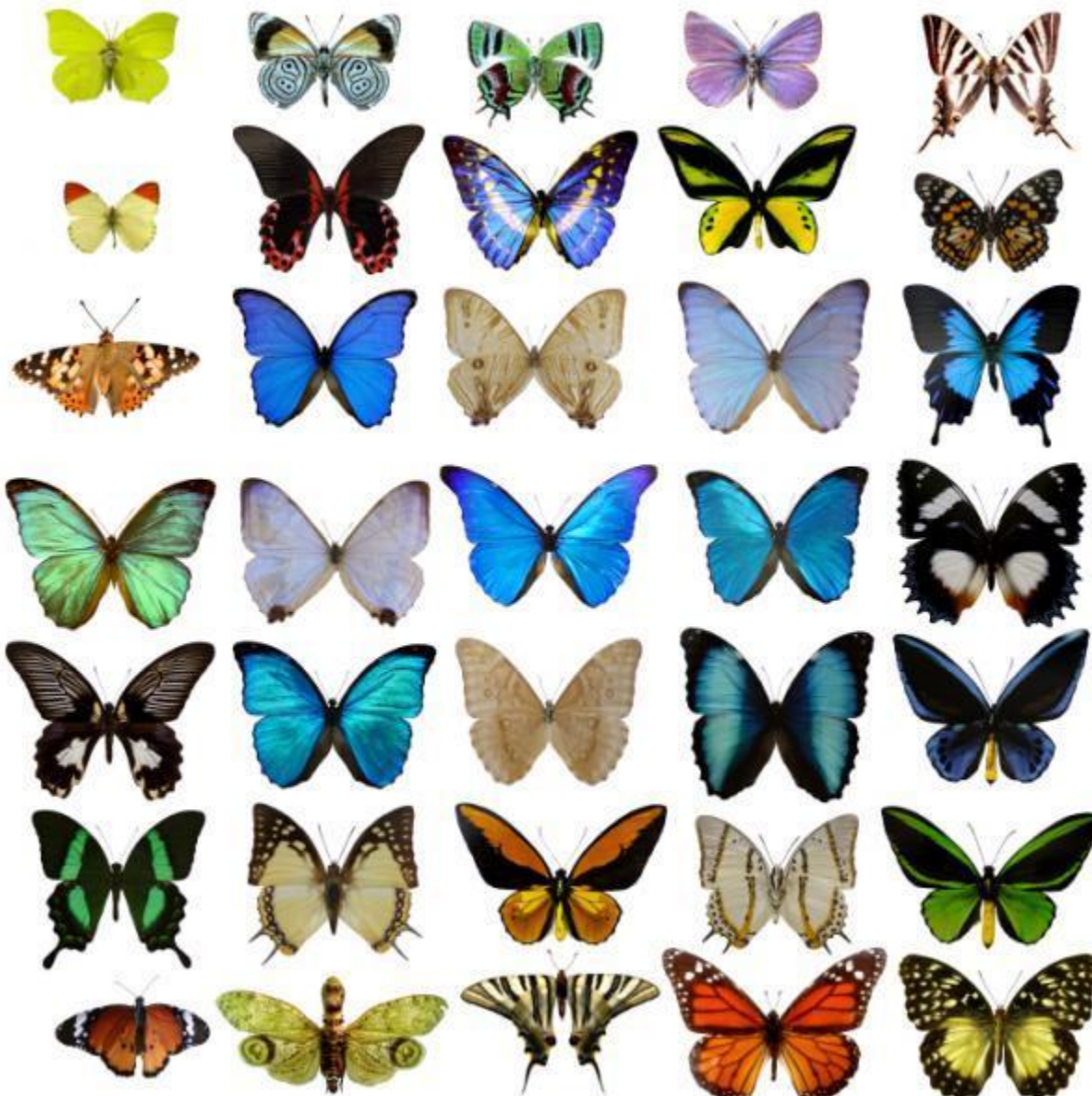


Word Bank

antenna thorax hindwing forewing abdomen
proboscis eye legs

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
7. _____
8. _____

Here are a variety of butterfly shapes, sizes, and patterns. Look carefully. What do you notice?



I notice:

Learn more: Florida Museum of Natural History- Identification guide by color:
<http://www.flmnh.ufl.edu/butterflyguide/>

1. Read the following poem.

A Butterfly Hovers Closely

A butterfly hovers closely
And then quickly moves away,
Swiftly going where so ever
Her heart may freely say.

A butterfly lowers and rises
With the winds's gusty breath,
As if coupled within a dance
Of a loving tenderness.

The butterfly only knows
How it feels to have wings,
To kiss the petals of flowers
In such elegant flutterings.

To have but one moment
Of such an exquisite flight,
Would be like a dream
Where all seems so right.

Author Unknown

2. Record the following:

Nouns _____

Verbs _____

Adjectives _____

Adverbs _____

3. Circle your 5 favorite words.

4. Write your own poem using those five words.

Research:

Using the internet, research three to five of the following behaviors of butterflies and describe them below in a short essay:

1. Egg-laying
2. Basking
3. Nectaring
4. Puddling
5. Feeding
6. Perching
7. Courting
8. Mating
9. Resting
10. Flying

Butterfly Behavior Essay

Learn More: Butterfly Behaviors video from National Geographic:

<http://video.nationalgeographic.com/video/kids/animals-pets-kids/bugs-kids/butterflies-kids/>

Careers in Entomology:

ENTOMOLOGY is a biological science emphasizing insects and related organisms. Insects are the most diverse and abundant form of animal life on Earth. They display complex behavior, morphology and life cycles. Their appearances range from strange and unusual to amazing and beautiful, often rivaling the beauty of flowers.

A major in entomology prepares students for exciting careers in biology. Entomology majors can enter medical, dental, or veterinary school; progress to graduate study in any of several biological sciences such as ecology, entomology, horticulture or zoology; or move directly to a variety of workplaces such as pest management, ecotourism, or biosecurity. Employment potential for graduates with the baccalaureate degree (B.S.) in entomology is greater than in many other biological sciences, because graduates can gain employment in both private and public sectors.

Learn more:

Entomologist Delano Lewis from the Butterfly Wings Project:

<https://www.youtube.com/watch?v=27vJq09BpXA&list=PL6E7FE860A536CEBD>

Interviews with entomologists:

<http://www.entsoc.org/resources/education/interviews>

Brochure that provides an overview of the science of and careers in entomology

<http://www.entsoc.org/PDF/resources/education/discover.pdf>

QUESTIONS I have: