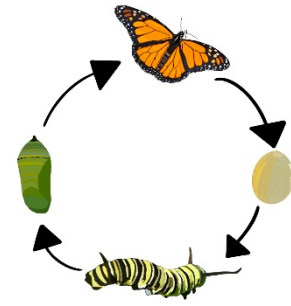




Royal butterfly Family card game Student Handout



By Ashley Owens & Tom J. McConnell,
Ball State University

What kind of skills would you need to be a butterfly researcher? There are many kinds of activities scientists use when studying animals in their natural habitats, like observation, measurement, data recording and organization. For many kinds of animals, researchers need to learn how to identify different species.

Scientists who study butterflies need to know how to identify different species to be able to tag them and learn of their migration habits as well as their behavior.

In this activity, you will identify the different stages of a butterfly's life cycle to identify the species. The skills you will develop in this activity are the same ones the butterfly researchers use every day!

Materials:

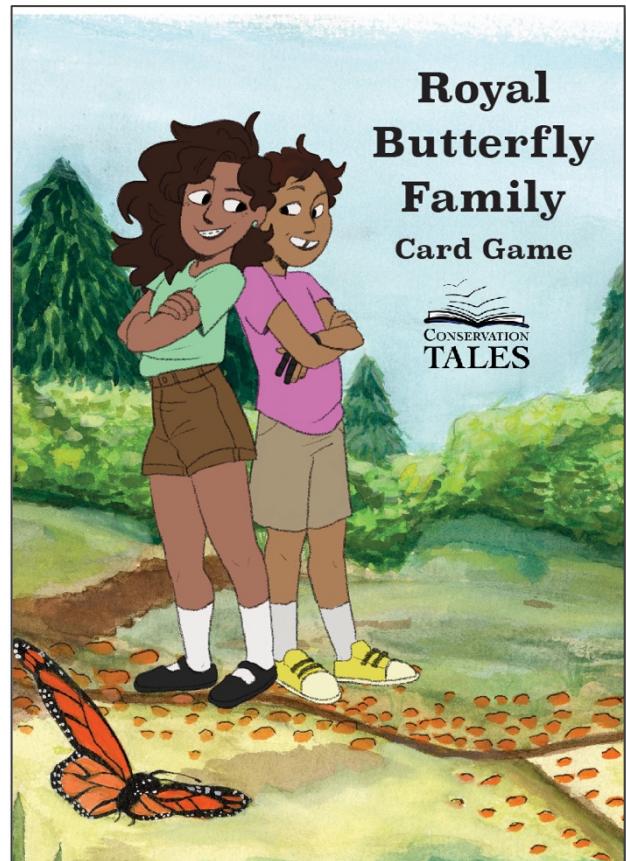
Set of Royal Butterfly Family Cards

Procedure:

In the Royal Butterfly Family card set, you will find three cards of each of the four phases of the life cycle. There are three cards for eggs, caterpillars, chrysalis, and butterflies.

Try to match the photos and illustrations in your card set to make a complete life cycle for the three butterfly species (Monarch, Queen, and Viceroy).

When you think you have made the correct matches, ask your teacher to check your answers! If you've made some mistakes, try again! Then answer the questions on the next page.





Reflection Questions



2



After you complete the matching game, discuss the following questions. Your teacher may ask you to write your answers in a journal or a lab report.

1. Were there any photos or illustrations that were difficult to match with their correct species? Why were these more difficult?
 2. What were some of the differences you noticed between the monarch, viceroy and queen butterfly?
 3. What were some of the similarities between the three species?
 4. Some of the photos and illustrations in this activity were easier than others to identify! Can you think of factors that would make it even hard to get a clear picture of a butterfly or any of its phases?
 5. What other animals do you think could be identified by their appearance? Describe how you could compare animals or photographs of animals to practice this same skill with a different species.
-



**Royal family Butterfly
Cards
Identification Record Sheet**

Names _____

When you have matched the cards in your set, record the cards that go with the butterfly species.

Butterfly name

card numbers

Monarch

Viceroy

Queen
