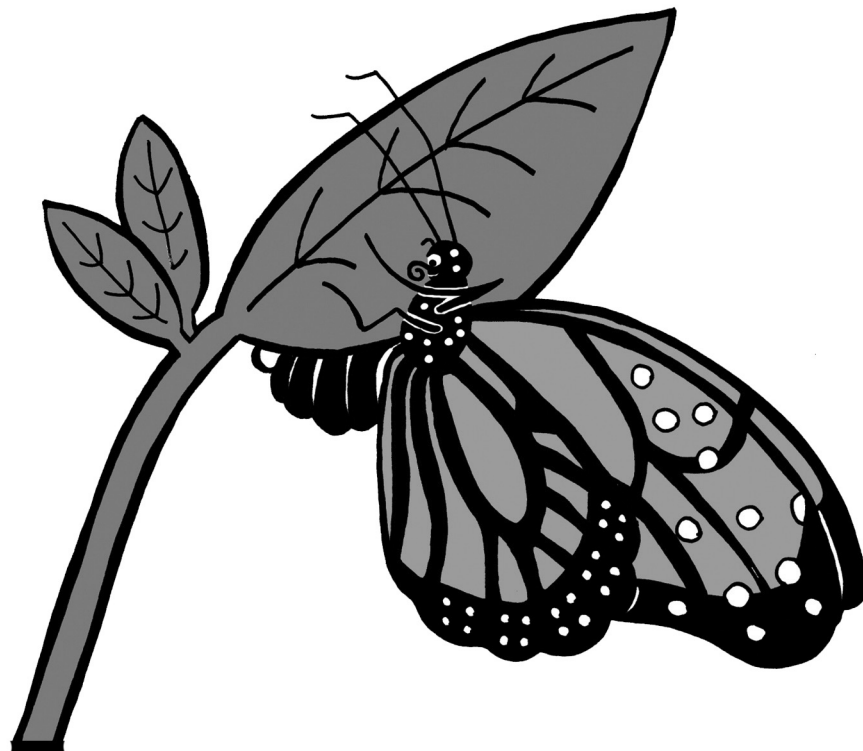


# Experiment 8

## Butterflies flutterby



I. Think about it.

How did the butterfly get its name? Is it because butterflies eat butter? Or do you think it is that butterflies are sometimes yellow—like butter?

Write or draw how you think the butterfly got its name.



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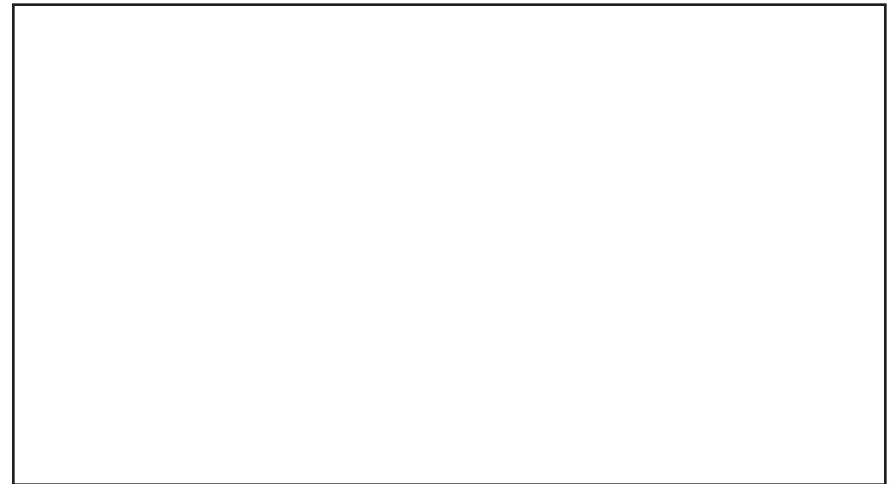
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How does a caterpillar turn into a butterfly? Draw or write how you think a caterpillar becomes a butterfly.



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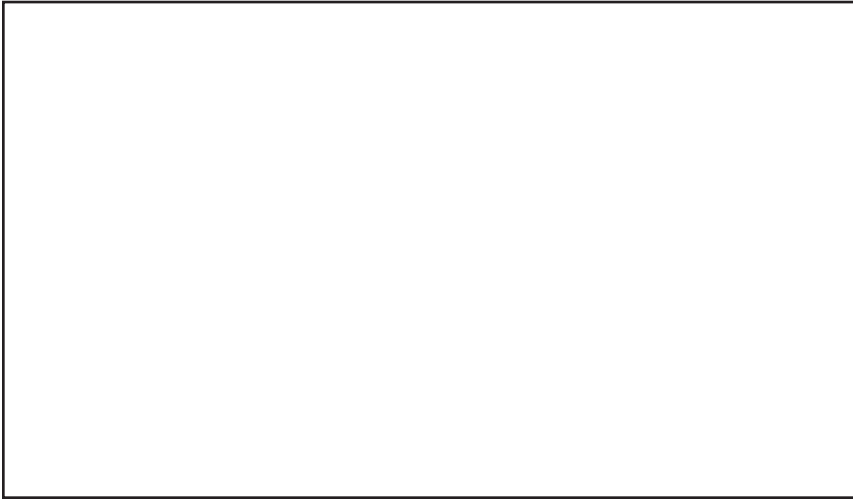
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## II. Observe it.

The beginning: The egg.

Draw and/or write what you see.



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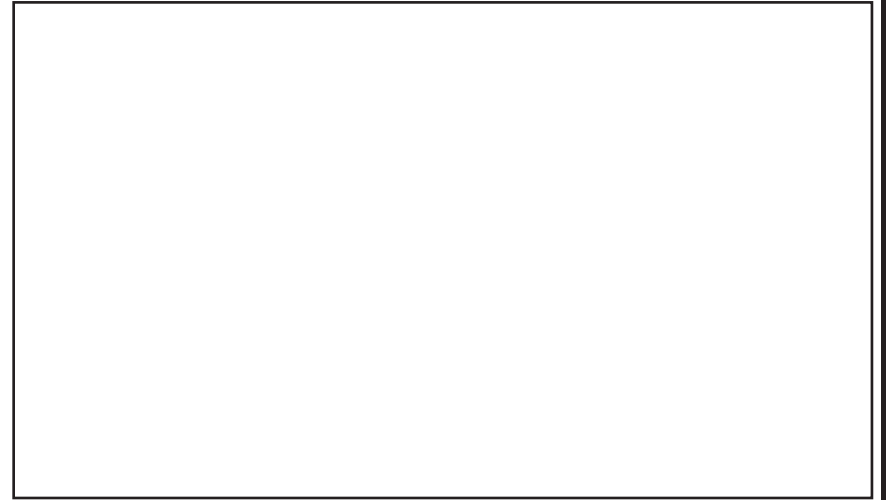
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The middle: The caterpillar

Draw and/or write what you see.



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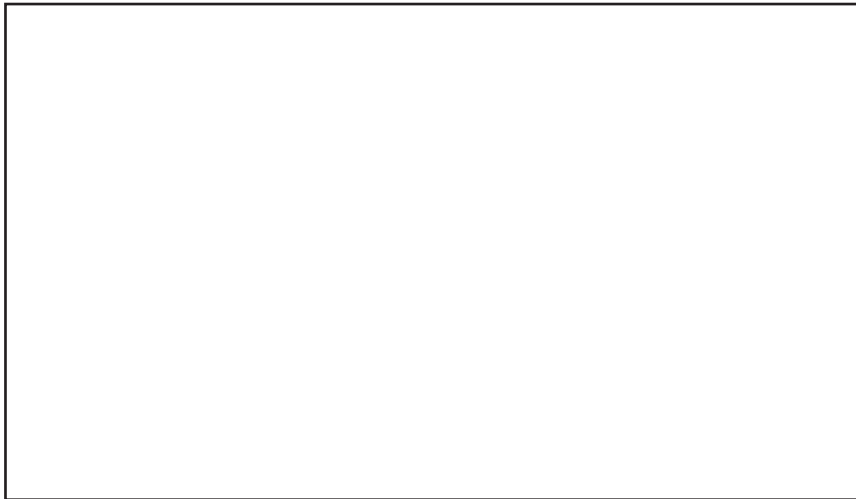
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The change: The chrysalis

Draw and/or write what you see.



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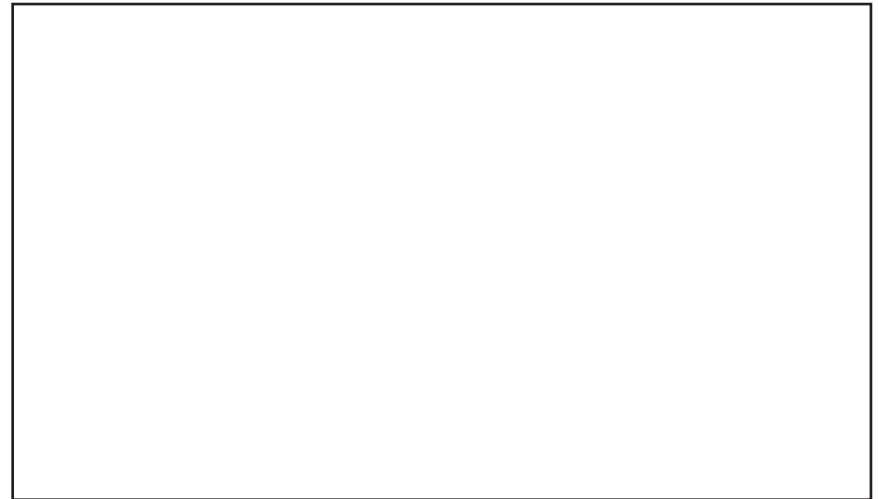
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The end: The butterfly.

Draw and/or write what you see.



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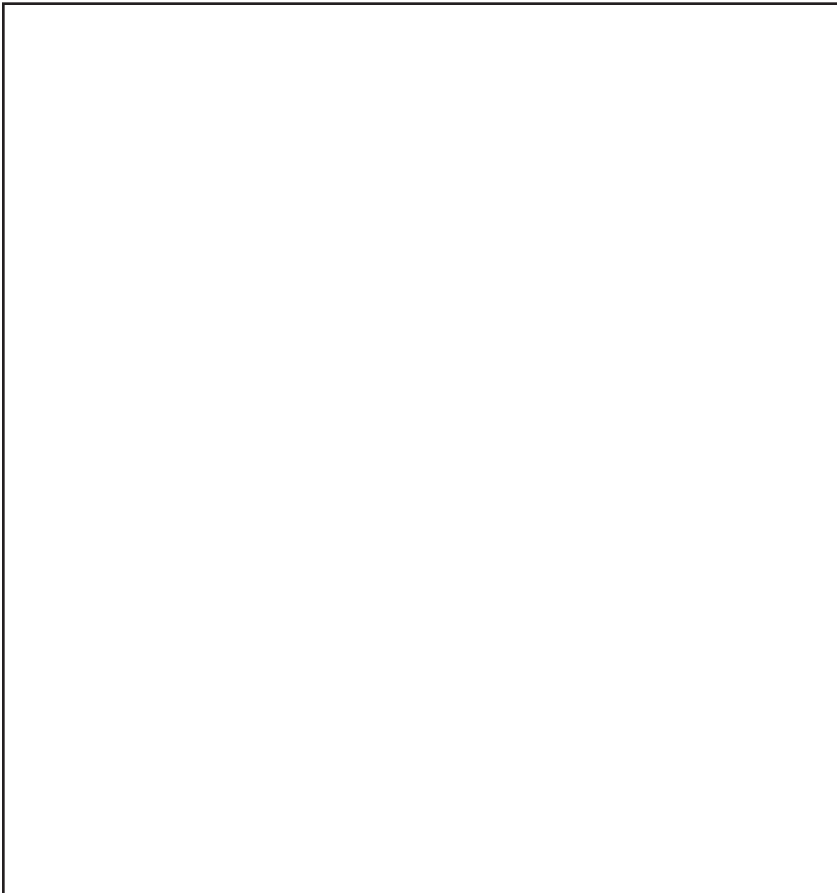
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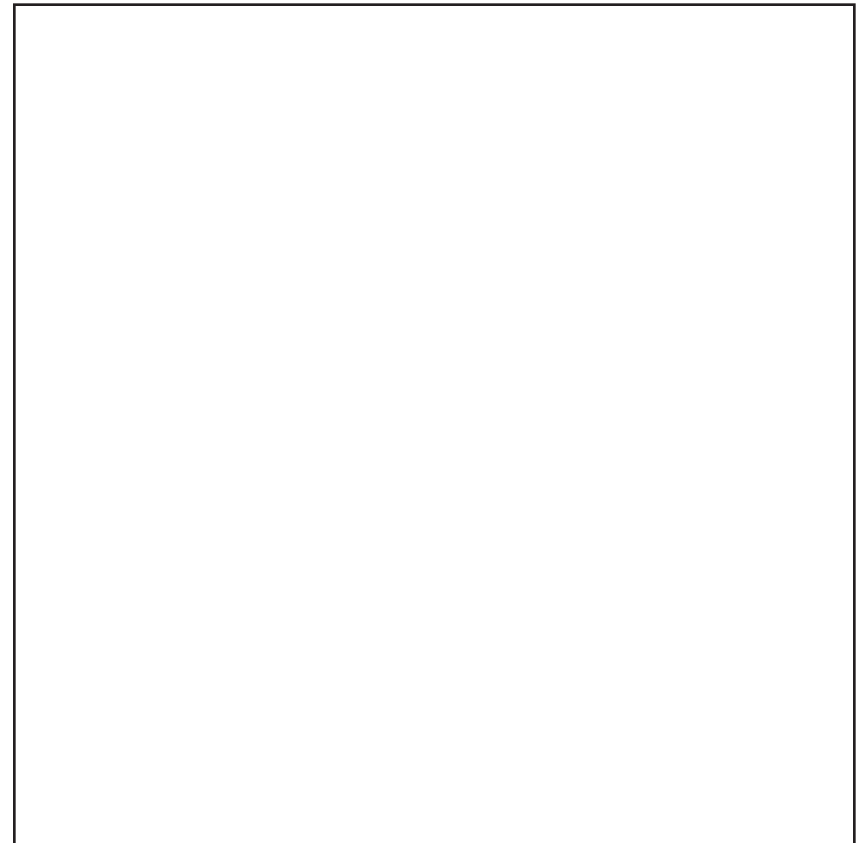
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Draw the life cycle of the butterfly as you observed it.



Was there anything you thought was very interesting? Draw it below.



III. What did you discover?

1. Did the butterfly eggs look like you thought they would? Why or why not.

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2. Did the caterpillar look like what you thought it would? Why or why not.

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3. Were you able to observe exactly what was happening in the chrysalis? Why or why not.

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4. Did the butterfly look like what you thought it would? Why or why not.

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5. Describe your favorite part of the butterfly life cycle. Explain why it is your favorite part.

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#### IV. Why?

The butterfly is a creature that starts as something completely different—a caterpillar. If you never watched a butterfly egg turn into a caterpillar and a caterpillar turn into a butterfly you would not know that they are the same creature. It takes a keen eye and careful observation to find out how life goes for the butterfly.

How did the butterfly get its name? You probably found out that no one is quite sure. There are ideas about how the butterfly got its name but not everyone agrees. One idea is that the word butterfly comes from a very old word **buturfliog** which is a word of “butter” and “fly.” But why butter? One idea is that butterflies like to eat butter and land on creamy, buttery foods in kitchens. The German word for butterfly means “milk thief” so maybe butterflies like butter and milk. But no one is really sure where the name for butterfly came from.

Sometimes disagreements happen even in science. We know much about the life of a butterfly because we can observe it. But scientists don't know everything because scientists can't observe everything. You were not able to observe exactly what was going on inside the chrysalis as the butterfly changed because you couldn't see inside the chrysalis. But you were able to make some observation. The most important job of a scientist is to make careful observations—and record exactly what they see - even if they can't see everything—just like you did!