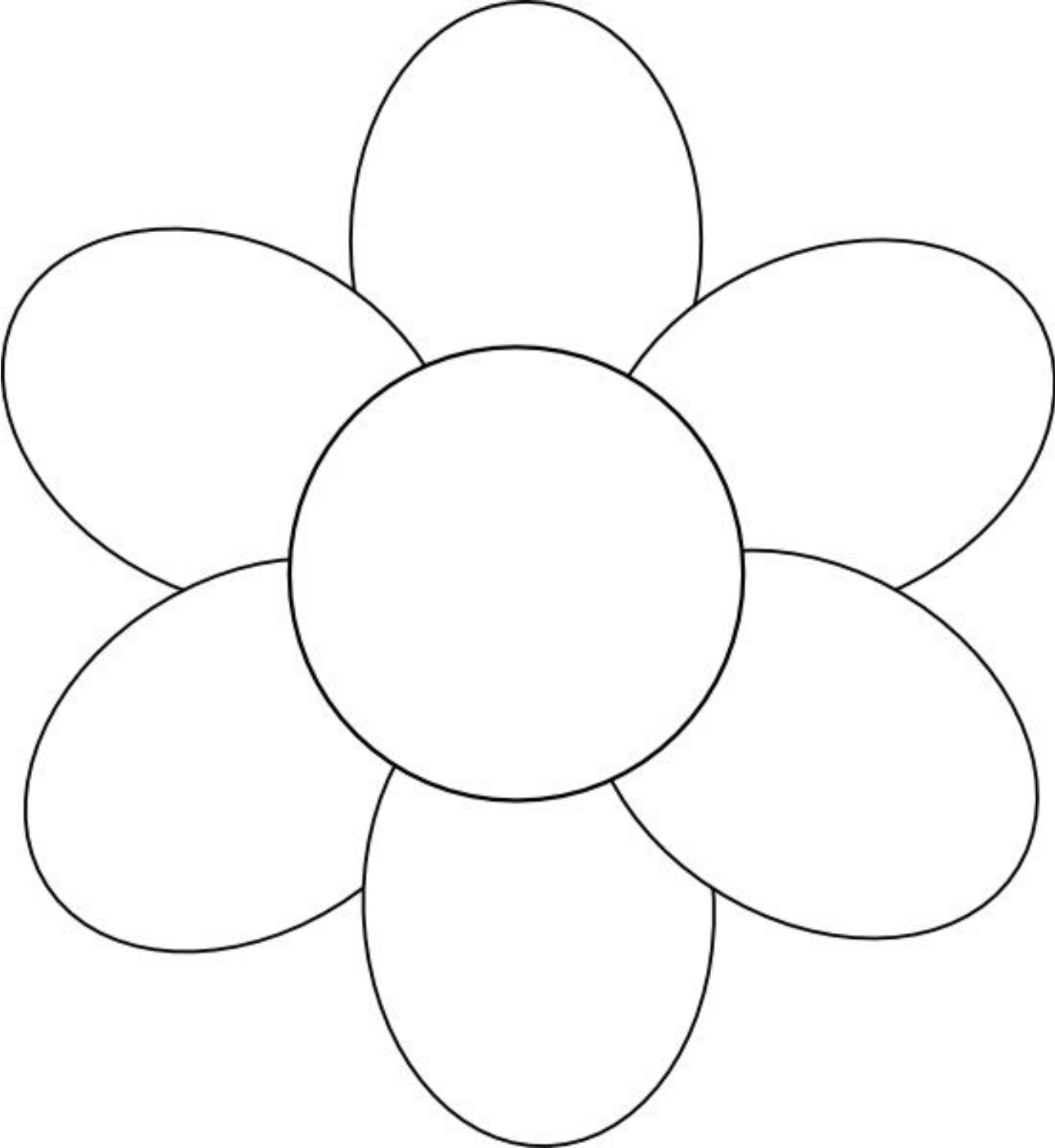


## Pollinators: What is the flutter?

Amelia Doll and Kelsey Sheldon  
Burleigh County Extension

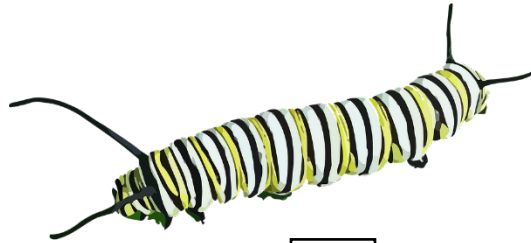
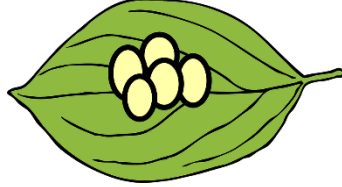
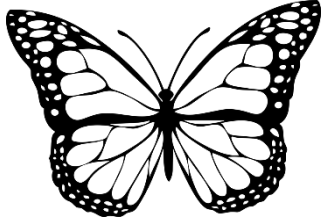
<b>What</b>	An interactive program developed to teach elementary age youth about butterflies, their preferred food, habitat, and how to create a kid friendly butterfly garden.
<b>Approximate Time</b>	<b>Time:</b> 1-1.5 hours
<b>Materials</b>	<ul style="list-style-type: none"> <li>• 1 Starburst candy per participating student. Make sure the following colors are represented: <ul style="list-style-type: none"> <li>○ Purple</li> <li>○ Blue</li> <li>○ Orange</li> <li>○ Pink</li> <li>○ Yellow</li> </ul> </li> <li>• Cheese balls, enough to cover the candy at the bottom of the bowl(s).</li> <li>• Bowl(s). If you are doing this project with a large group of kids, you can split the different colored candies (and cheese balls) into different bowls, otherwise, one bowl is sufficient.</li> <li>• Butterflies from page 11 of E-1266. Butterflies should be individually cut with the names on the back. If you plan on doing this program more than once it is recommended that you laminate the butterflies.</li> <li>• Pictures of the following flowers: <ul style="list-style-type: none"> <li>○ Wild flax</li> <li>○ Black eyed susan</li> <li>○ Butterfly weed</li> <li>○ Sedum</li> <li>○ Purple cone flower</li> </ul> </li> <li>• Five, laminated, copies of attached flower outline</li> <li>• Cotton Balls (about 5 per flower outline)</li> <li>• Tape</li> <li>• Book: Fly, Butterfly by: Bonnie Bader (<a href="https://www.amazon.com/Fly-Butterfly-Penguin-Core-Concepts/dp/0448479192/ref=sr_1_2?ie=UTF8&amp;qid=1470856939&amp;sr=8-2&amp;keywords=fly%2C+butterfly">https://www.amazon.com/Fly-Butterfly-Penguin-Core-Concepts/dp/0448479192/ref=sr_1_2?ie=UTF8&amp;qid=1470856939&amp;sr=8-2&amp;keywords=fly%2C+butterfly</a>)</li> <li>• Provided power point</li> </ul>
<b>Set Up</b>	<ul style="list-style-type: none"> <li>• <i>Place Starburst candies at the bottom of the bowl(s) so that all colors are represented and there is one piece of candy for each student. Candy should then be covered with cheese balls.</i></li> <li>• <i>Cotton balls should be taped to the center of the flower outline</i></li> <li>• <i>Pictures of flowers placed next to flower outlines</i></li> </ul>
<b>Procedure</b>	<ul style="list-style-type: none"> <li>• Slides 1-8 to discuss the different elements that are needed to develop a successful butterfly garden.</li> <li>• Slides 9&amp;10. Complete the activity. <ul style="list-style-type: none"> <li>○ Hand out a butterfly to each student.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Using the peak fly season (from publication E-1266) have each individual come to the flower (bowl of cheese puffs) and search for the nectar (candy)</li> <li>○ Choose one piece of nectar.</li> <li>○ Next you will fly to the flower you believe is the matching color to the nectar you found.</li> <li>○ The object is to pollinate the correct flower with the correct pollen (red to red).</li> <li>○ Complete review questions from page 10</li> <li>● Slides 11-14 <ul style="list-style-type: none"> <li>○ Discuss the different categories of the different butterflies. If time allows, have students split themselves into the different groups that they think they belong to.</li> </ul> </li> <li>● Read book, "Fly, Butterfly" <ul style="list-style-type: none"> <li>○ Some discussion after completing the book: <ul style="list-style-type: none"> <li>▪ What seasons were discussed in the book?</li> <li>▪ Where did the butterfly go when it got cold in the winter?</li> <li>▪ Have you seen a Monarch caterpillar or butterfly in real life?</li> </ul> </li> </ul> </li> <li>● Slides 15-20 <ul style="list-style-type: none"> <li>○ Discuss the different types of caterpillar food and the tips for creating a butterfly garden.</li> </ul> </li> </ul>
<b>Assessment</b>	Have youth complete the attached assessment



## Pollinators: What is the flutter?

Using numbers 1-4, place these pictures in the appropriate life cycle for a butterfly:



Where do Monarch Butterflies live in the winter time?

- A. North Dakota
- B. Mexico
- C. New York City

Explain how butterflies pollinate?

Name one type of flower that butterflies are attracted to: