

Butterfly Life Cycle

Butterflies have a complete life cycle with four separate stages.



What happens during the first stage?

During the first stage of the butterfly life cycle, the female butterfly lays her eggs onto a leaf, stem or another object. The new butterfly starts life as a very small egg. The eggs can be round, oval or cylindrical and some are ribbed. The shape depends on the type of butterfly that has laid the egg. If you look really closely, you can actually see the caterpillar growing inside the egg.



What happens during the second stage?

During the second stage, a caterpillar (or larva) hatches. It is the long, worm-like stage of the butterfly life cycle. Most caterpillars have interesting patterns, stripes or patches and sometimes spine-like hairs. In this stage, the caterpillar needs to eat lots to grow. The caterpillar usually starts by eating the leaf they were born onto. They do not stay in this stage for long. As it gets bigger, the caterpillar sheds its skin four or more times.



What happens during the third stage?

During the third stage, the caterpillar forms a chrysalis (or pupa) which is usually brown or green so it is camouflaged. Many hibernate during the winter at this stage. This is the transformation stage, when the caterpillar tissues are broken down and the adult's insect structures are formed, including growing wings. From the outside, it can look like it is just resting, but inside the pupa, it is changing rapidly as the metamorphosis happens.



What happens during the fourth stage?

The caterpillar transforms into a colourful adult butterfly. When it first emerges, its wings are soft and folded against its body because it had to fit inside the pupa. The butterfly rests and then blood pumps into its wings and they start working and flapping. The butterfly usually learns to fly in 3 or 4 hours. This is the reproductive and active stage. This is usually when the adult butterfly migrates or moves to a new habitat. The adults also mate and the female butterflies lay eggs, beginning the life cycle again.

Tuesday

**Reading
Mission**
30 mins

Children to read or be supported to read 'Butterfly Life Cycle'.
After, they can answer these questions. These can be verbal answers or they could be written down or typed. Suggested answers are underneath.

Butterfly Life Cycle Questions

1. Why are butterflies advanced insects?

2. What shape can the butterfly egg be and what does it depend on?

3. What can you see inside the egg if you look really closely?

4. What does the caterpillar need to do in the second stage?

5. What happens to the caterpillar's skin?

6. What happens during the caterpillar's transformation?

7. What can it look like the caterpillar is doing from outside the pupa and what is happening inside?

8. What is the fourth stage of the butterfly life cycle called and where does the butterfly go?

9. What are the wings like when the butterfly first emerges and why?

10. What does the butterfly usually learn to do in 3 or 4 hours?

Answers

1. Why are butterflies advanced insects?
Butterflies are advanced insects because they go through a complete metamorphosis.
2. What shape can the butterfly egg be and what does it depend on?
They can be round, oval or cylindrical and some are ribbed. The shape depends on the type of butterfly that laid the egg.
3. What can you see inside the egg if you look really closely?
If you look really closely, you can actually see the caterpillar growing inside the egg.
4. What does the caterpillar need to do in the second stage?
In this stage, the caterpillar needs to eat lots to grow.
5. What happens to the caterpillar's skin?
As it gets bigger, it sheds its skin four or more times.
6. What happens during the caterpillar's transformation?
This is the transformation stage, when the caterpillar tissues are broken down and the adult's insect structures are formed, including growing wings.
7. What can it look like the caterpillar is doing from outside the pupa and what is happening inside?
From the outside, it can look like it is just resting, but inside the pupa, it is changing rapidly as the metamorphosis happens.
8. What is the fourth stage of the butterfly life cycle called and where does the butterfly go?
The fourth stage is called the adult butterfly stage. This is usually when the adult butterfly migrates or moves to a new habitat.
9. What are the wings like when the butterfly first emerges and why?
When it first emerges, its wings are soft and folded against its body because it had to fit inside the pupa.
10. What does the butterfly usually learn to do in 3 or 4 hours?
The butterfly usually learns to fly in 3 or 4 hours.

**Writing
Mission
30 mins**

Your mission – Pretend to be the minibeast that you researched facts about from yesterday. You are going to write in the role of your minibeast!

A job has come up in the flowerbeds at Oasis Academy Marksbury Road. We need a 'Chief Minibeast' to keep all of the other minibeasts in check! The role will include keeping the flowers happy and healthy, making sure the children have a happy playtime and generally looking after all areas of the playground.

Using your facts (and others that you might like to include for creativity purposes), write a paragraph about why you are the best minibeast for the job.



Maths
Mission
30 mins

Your mission is to complete the 3 digit subtraction sums using the column method.

3-Digit Column Subtraction

1.	2.	3.	4.
7 8 4	2 0 5	9 6 4	4 3 8
- 2 3 5	- 6 5	- 5 5 8	- 2 7 9
5.	6.	7.	8.
6 4 3	8 7 1	5 0 6	5 1 7
- 1 7 8	- 8 5 6	- 2 6 8	- 3 7 9
Challenge - Find the missing numbers in the subtraction calculations below:			
9.	10.	11.	12.
1 6 4	6 <input type="text"/> 9	<input type="text"/> 3 5	8 1 7
- 9 7	- <input type="text"/> 9 8	- 2 7 <input type="text"/>	- 6 <input type="text"/> <input type="text"/>
	2 6 <input type="text"/>	1 6 0	<input type="text"/> 8 9
13. There are 364 children in a school. 178 go on a field trip to London. How many children are left in school?		14. Samantha has £792 saved in her bank account. On Saturday, she spends £138 on a new bike and on Sunday, she buys a pair of roller blades for £75. How much money does she have left in the bank?	

Answers

1.					2.					3.					4.				
	7	8	4			2	0	5			9	6	4			4	3	8	
	-	2	3	5		-		6	5		-	5	5	8		-	2	7	9
		5	4	9			1	4	0			4	0	6			1	5	9
5.					6.					7.					8.				
	6	4	3			8	7	1			5	0	6			5	1	7	
	-	1	7	8		-	8	5	6		-	2	6	8		-	3	7	9
		4	6	5				1	5			2	3	8			1	3	8
Challenge - Find the missing numbers in the subtraction calculations below:																			
9.					10.					11.					12.				
	1	6	4			6	5	9			4	3	5			8	1	7	
	-		9	7		-	3	9	8		-	2	7	5		-	6	2	8
			6	7			2	6	1			1	6	0			1	8	9
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	3	6	4								7	9	2						
	-	1	7	8							-	1	3	8					
		1	8	6							-		7	5					
												5	7	9					

Topic
Mission

Continued

