

## Science

### Genre

**Nonfiction** gives information and facts about a topic.

### Text Features

**Illustrations** are drawings that help readers understand information.

**Captions** explain what is shown in the illustrations.

### Content Words

patterns  
stages  
hatches



Monarch

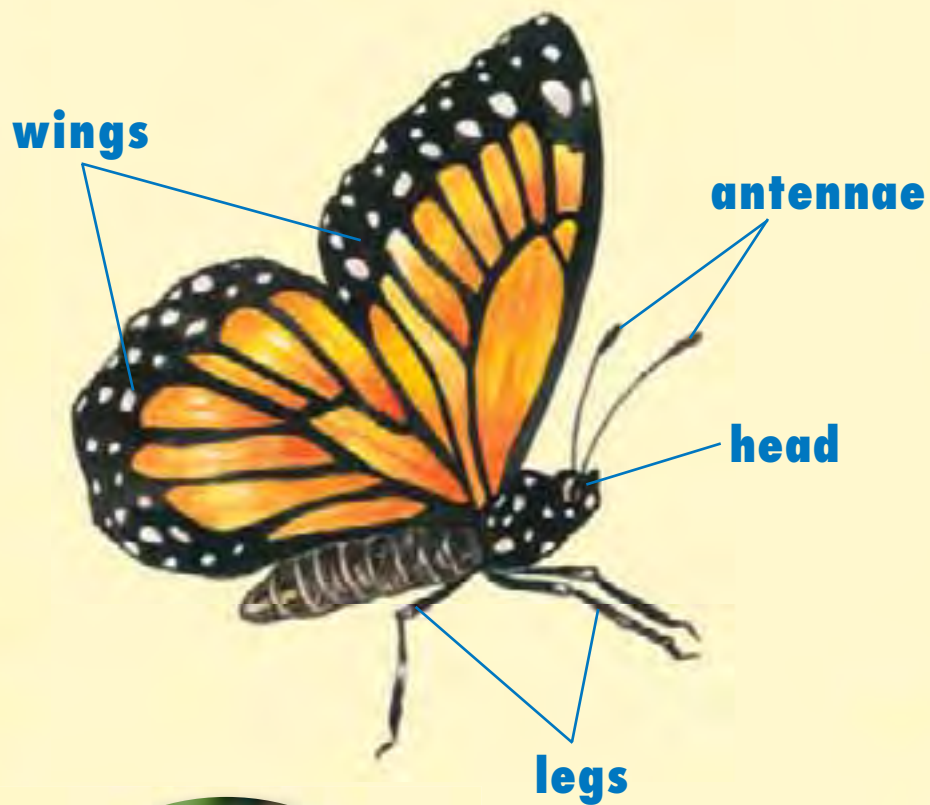
# Butterflies

Butterflies come in all shapes and sizes. Some are big and some are small. Some have bright spots and some have other markings like dark **patterns** on their wings.

The Monarch and the Skipper are two kinds of butterflies. The Monarch is bigger and more colorful than the Skipper. The Monarch is bright orange and black. It has white spots. The Skipper is brown and has clear spots.

Although these two butterflies look different, they have the same body parts as all other butterflies.

# Butterfly Body Parts



**Skipper**

Butterflies come in all shapes and sizes. All butterflies have the same body parts.

# How Butterflies Grow and Change

All butterflies become adults in the same way. Every butterfly's life has four steps, or **stages**, of development.

## Stage 1: Egg

A butterfly begins life as an egg. The egg is about the size of the top of a pin. It is usually laid on a leaf. The egg is sticky, so it stays on the leaf.



## Stage 2: Larva

When the egg **hatches**, a caterpillar comes out. This part of the butterfly's life is called the larva stage. When the caterpillar is large enough, it hooks itself onto a leaf or branch.



## Stage 3: Pupa

The caterpillar makes a hard shell or case to live in. It usually stays inside the shell for a few weeks. This is called the pupa stage. Inside the shell, the caterpillar grows and changes.



## Stage 4: Adult

When the shell breaks open, the caterpillar has completely changed into a butterfly. This is the adult stage. After its wings are dry, the butterfly is ready to fly away.



### Connect and Compare



1. Reread page 259. What is the same about all butterflies?

#### Illustrations and Captions

2. Think about this article and *Farfallina and Marcel*. Explain why Marcel does not know who Farfallina is. Use the names of at least three of the stages of a butterfly's life in your answer. **Reading/Writing Across Texts**



### Science Activity

Use an encyclopedia to research two types of butterflies that live in your state. Tell how they are alike and different.



Find out more about how animals grow at [www.macmillanmh.com](http://www.macmillanmh.com)

# Write a Letter

## Writer's Craft

### Vary Words

Good writers **vary** the words they choose to make their messages clear.

I added an apostrophe to the end of the word parents to make it possessive.



I used a few different words to describe my new dog.

22 SW 132 Place  
Evanston, IL 60060  
February 5, 20--

Dear Max,

It was nice to see you at my birthday party. My parents' gift was the best! The puppy they gave me has grown so much. At first Murphy slept in my bed. Now he is too big and has to sleep on the floor. Murphy's snoring sometimes keeps me awake. He is also getting heavy. Soon I won't be able to pick him up.



Your friend,  
Carlos

## Your Turn

Write a letter to a friend that tells about something new in your life. Vary the words that describe what is new.

Use the Writer's Checklist to check your writing.



## Writer's Checklist

- Word Choice:** Did I **vary** the words I used?
- Ideas:** Does my letter give details and examples about something new?
- Conventions:** Is my punctuation correct? If I made a plural noun possessive, did I use only an apostrophe?
- Conventions:** Does my letter have all the right parts?