

Chapter

1

# Animal Body Parts

New topic alert!  
How do you feel?



Excited



Nervous

## Learning Objectives

1. Identify different body parts of animals
2. Explore how body parts help animals live

## Focus on

- Cats
- Fish
- Birds
- Insects



## Warm Up

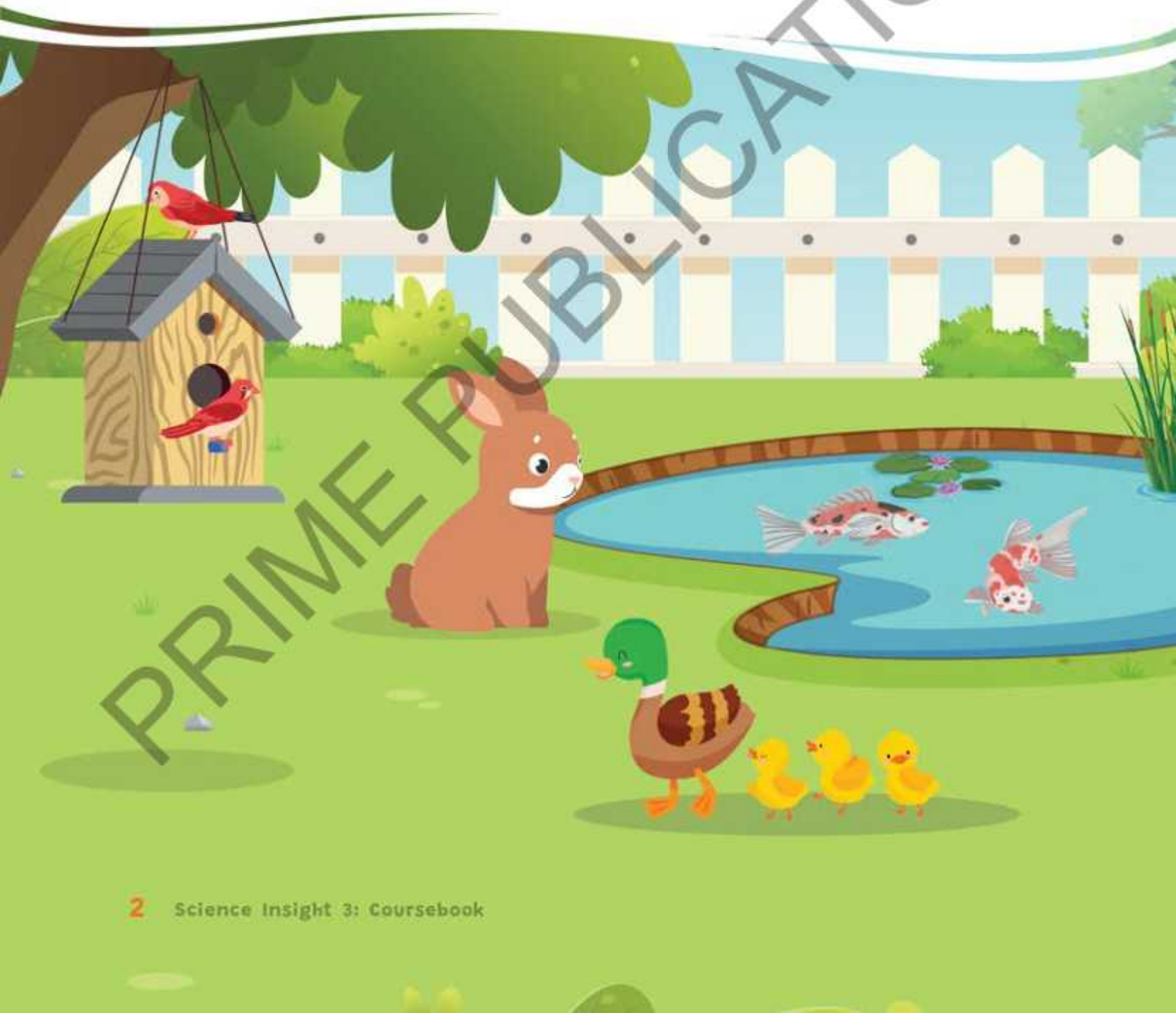
Do you have a favourite pet?

If yes, which animal do you like the most?

Now look at the picture below.

Which animals do you notice?

What makes them different?



Each type of animal has different body parts. Every part has a specific function that helps the animal live and carry out daily activities. Let's learn about the body parts of animals around us.

## Cats

Cats are land animals. Their bodies are covered with thick fur. They use different body parts to help them move, sense things, and catch prey. The body consists of the head, body, and legs.

Scan Me!



Figure 1.1 – Body parts of a cat and their functions

On the head, there are eyes, ears, nose, mouth, and whiskers. Cats have sharp canine teeth to tear apart their prey. Two main parts of the body are the belly and the tail. The tail helps keep the cat's body balanced. Cats have four legs. Each leg has a paw with four toes, and each toe has a sharp nail called a claw. Claws are used to catch and hold prey.

# Fish

Fish are animals that live in the water. Fish can live in the water because they have gills to help them breathe. Their bodies are covered with scales. The body consists of a head, body, and a tail.

## ✦ Nifty Insight ✦

Fish do not have eyelids; therefore, they cannot blink or close their eyes.

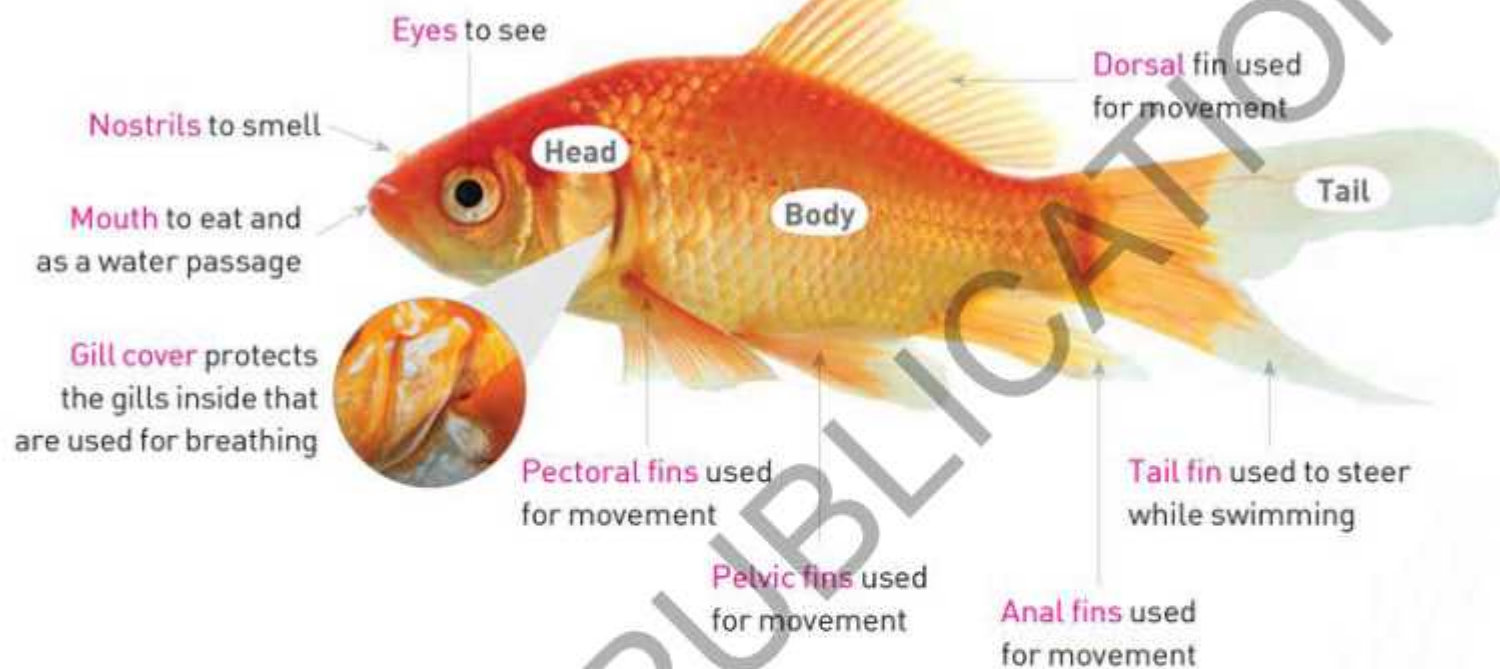


Figure 1.2 - Body parts of a fish and their functions

On the head, there are the eyes, nostrils, a mouth, and gills. Although fish have nostrils, they do not use them for breathing. Instead, fish use their nostrils to smell things. They breathe through their gills, which take in oxygen from the water.

Moving down to the body, fish have scales and fins. The scales protect their body like a shield, while the fins help them to swim. At the end of the body is the tail, which has a tail fin. This fin helps the fish to steer and control the direction while swimming.

## Birds

Birds are animals that live on land. They use their wings to fly and their legs to walk. Some birds can fly, while others cannot. Examples of birds that can fly include eagles and pigeons. On the other hand, birds like chickens and penguins cannot fly. However, chickens and penguins can waddle step by step.

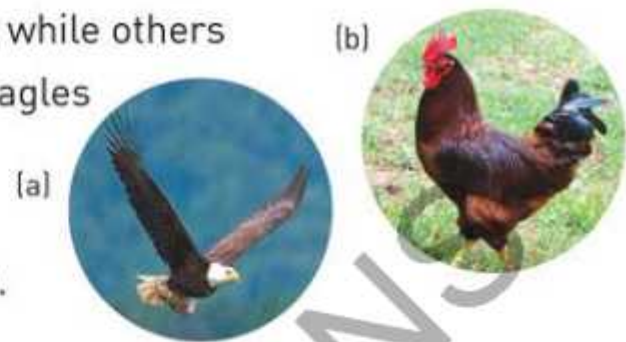


Figure 1.3 – Examples of birds: (a) an eagle can fly and (b) a chicken cannot fly



Figure 1.4 – Body parts of a bird and their functions

Bird body parts include the head, body, legs, wings, and tail. On the head, there are the eyes, ears, nostrils, and a beak. Birds do not have teeth. They use their beak to eat and pick up food. The bird's body is covered with feathers that are light yet strong. These feathers help protect birds from cold temperatures and wind.

Birds have two legs that help them walk on the ground and catch food. Most birds use their wings to fly through the air. At the back of the body is the tail, which helps the bird steer and stay balanced while flying.

### Nifty Insight

Different birds have different shapes of beaks depending on their eating habits.

## Insects

Insects are very small animals. Some insects have wings, while others are wingless. Bedbugs, ants, and head lice are examples of tiny insects without wings. Flies, mosquitoes, and bees are examples of small insects that have wings and can fly.

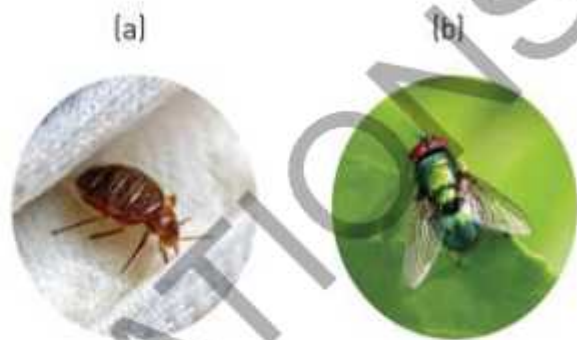


Figure 1.5 - Examples of Insect: (a) bedbug and (b) fly

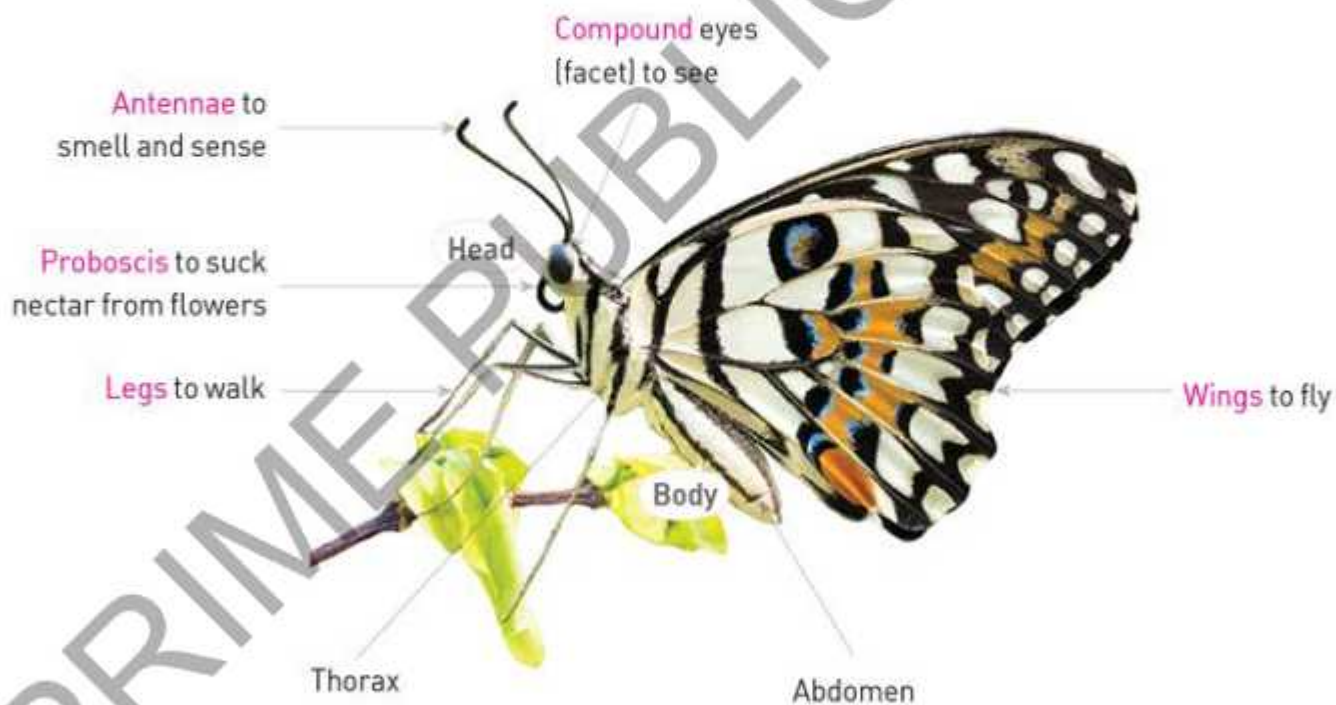


Figure 1.6 - Body parts of a butterfly and their functions

An insect's body consists of a head and a body. In a butterfly, the head has a pair of compound eyes, a pair of antennae, and a proboscis. The proboscis is a long, tube-like mouthpart used for sucking nectar from flowers.

A butterfly's body consists of the thorax and the abdomen. On the thorax, there are two pairs of wings and three pairs of legs. The wings are made up of forewings and hindwings. These wings have various patterns and colours.



Butterflies

Think and Share

Why do you think butterflies have colourful patterns on their wings?

### Remember and Recall

Circle the correct word to complete the sentences.

1. Birds have a \_\_\_\_\_ to eat food. (teeth/beak)
2. Most birds use their \_\_\_\_\_ to fly through the air. (wings/tails)
3. Fish have \_\_\_\_\_ so they can breathe in water. (gills/nostrils)
4. Whiskers help cats to \_\_\_\_\_ objects in the surrounding. (catch/detect)
5. The proboscis is used for \_\_\_\_\_ nectar from flowers. (sucking/chewing)

## Teacher's Corner

Help students analyse how the structure and shape of an animal's wings affect its movement while flying in the air. Create simple wing models using cardboard or paper with different shapes and sizes.

## Key Terms



- Beak** : mouth part that birds use to eat
- Gills** : the respiratory organs of fish that work like filters to take oxygen from the water so the fish can stay alive
- Paw** : the part of an animal's leg that touches the ground
- Proboscis** : a tube-like mouthpart that is used to suck up food or drink

## Points to Reflect

- Every type of animal has different body parts. Each part of the body has a function to help the animal live and carry out daily activities.
- A cat's body consists of the head, body, and legs.
- A fish's body consists of the head, body, and tail. On the tail, there is a tail fin that helps control the direction of the fish while swimming.
- A bird's body consists of the head, body, wings, legs, and tail. Birds do not have teeth. They use their beaks to catch and eat food.
- An insect's body consists of the head and body. Some insects have wings, while others are wingless.



C. Write the functions of the following animal body parts.

Tail : \_\_\_\_\_

Claws : \_\_\_\_\_

Fins : \_\_\_\_\_

Wings : \_\_\_\_\_

Antennae : \_\_\_\_\_

D. Find seven animals with wings in the word grid. Look across and down.

P	D	H	F	J	B	P	D
A	E	A	G	L	E	I	G
R	I	N	K	O	E	G	B
R	A	T	B	U	D	E	Z
O	F	L	Y	S	L	O	K
T	G	D	U	C	K	N	R

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

E. Answer the following questions.

1. What is the function of the tail on cats and birds?

\_\_\_\_\_

2. Write down the parts of a fish's head.

\_\_\_\_\_

3. List three parts of an insect's head.

\_\_\_\_\_

Life Skills and Subject Integration

F. Unscramble the letters to find out the body parts of insects.

Integrated to English

1. I N W G S

\_\_\_\_\_

2. C A T F E

\_\_\_\_\_

3. N E N A A T N

\_\_\_\_\_

4. X H A R T O

\_\_\_\_\_

5. B O N A M D E

\_\_\_\_\_

G. Animals give us many things. Tick (✓) the things you should do to take care of animals.

1. Provide clean water to drink.
2. Shoo them away by hitting them.
3. Give them food to eat.
4. Throw stones to harm them.

## Think Green

The Sumatran tiger population is under serious threat due to rampant poaching, as their skin and body parts are sold in the illegal wildlife trade. If we do not work together to protect Sumatran tiger and their natural habitats, they could disappear forever. It is our responsibility to safeguard and preserve them for future generations.

