

Animals



All Around

Animals All Around



Meet the Discovery Squad

Harry, Aisha, Blake, Holly and Riz are all great friends. They love to play, laugh and learn about the world together. Whatever the topic, if there are questions to be asked, answers to find or exploring to be done, the Discovery Squad is there to help. Join them as they find out more about animals including humans in this non-fiction eBook.

Harry

Aisha

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Holly

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Animals All Around

Animals are everywhere. You probably see them on your way to school or when you go to the park. You might even have some at home.

What are animals?

Animals are living things. They can move and they use their senses to help them to find food and stay safe.



Animals can be found everywhere – you just need to look closely.

There are animals
in the trees, the sky
and hiding in the
plants and bushes.



There are
even animals
underground.



You can find animals
in the desert, the sea,
in lakes and in rivers.

Animal Groups

Scientists sort animals into different groups to help to **identify** them.

Mammals



Birds



Fish



Reptiles



Amphibians

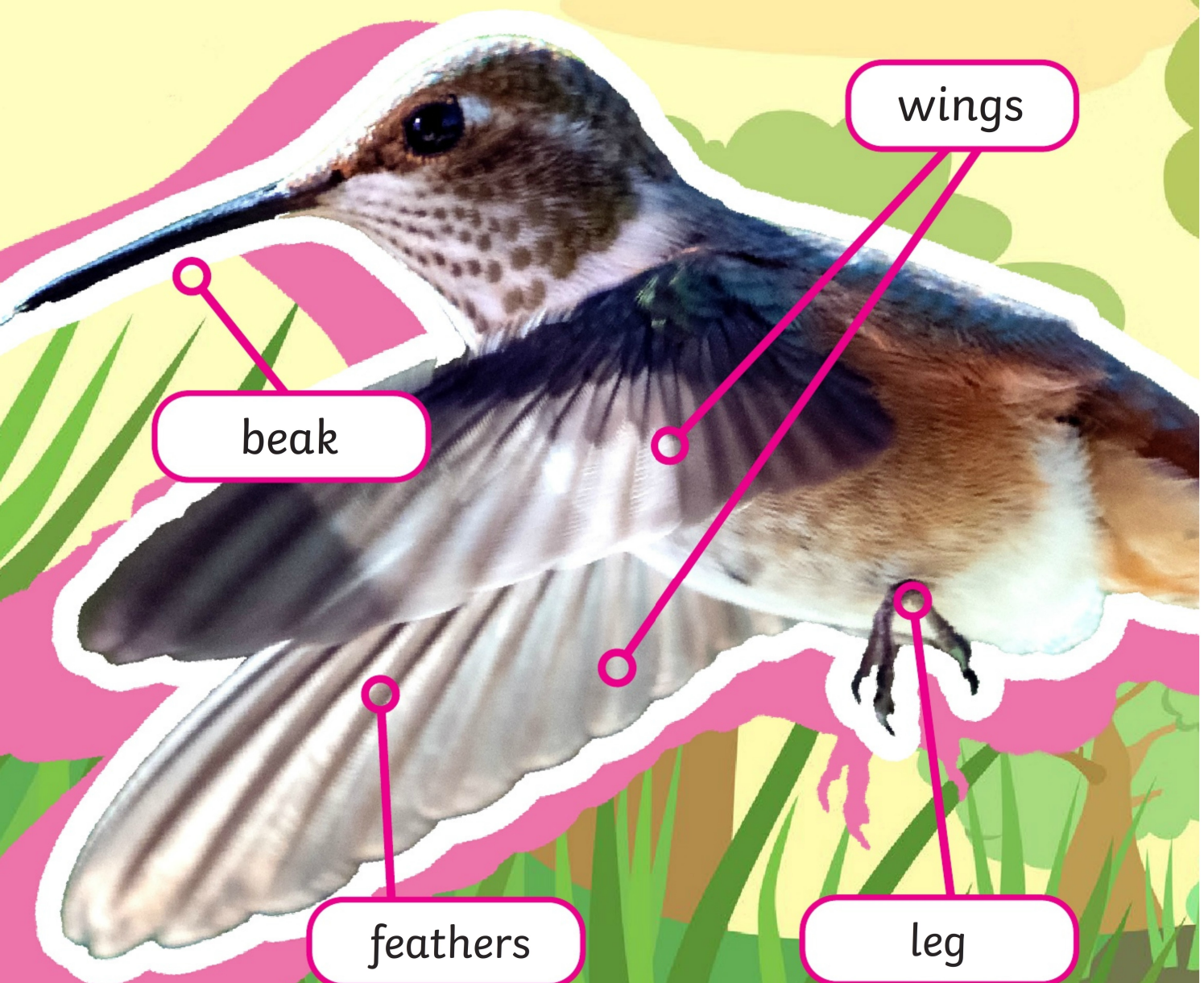


Let's find out a bit more about these groups of animals.

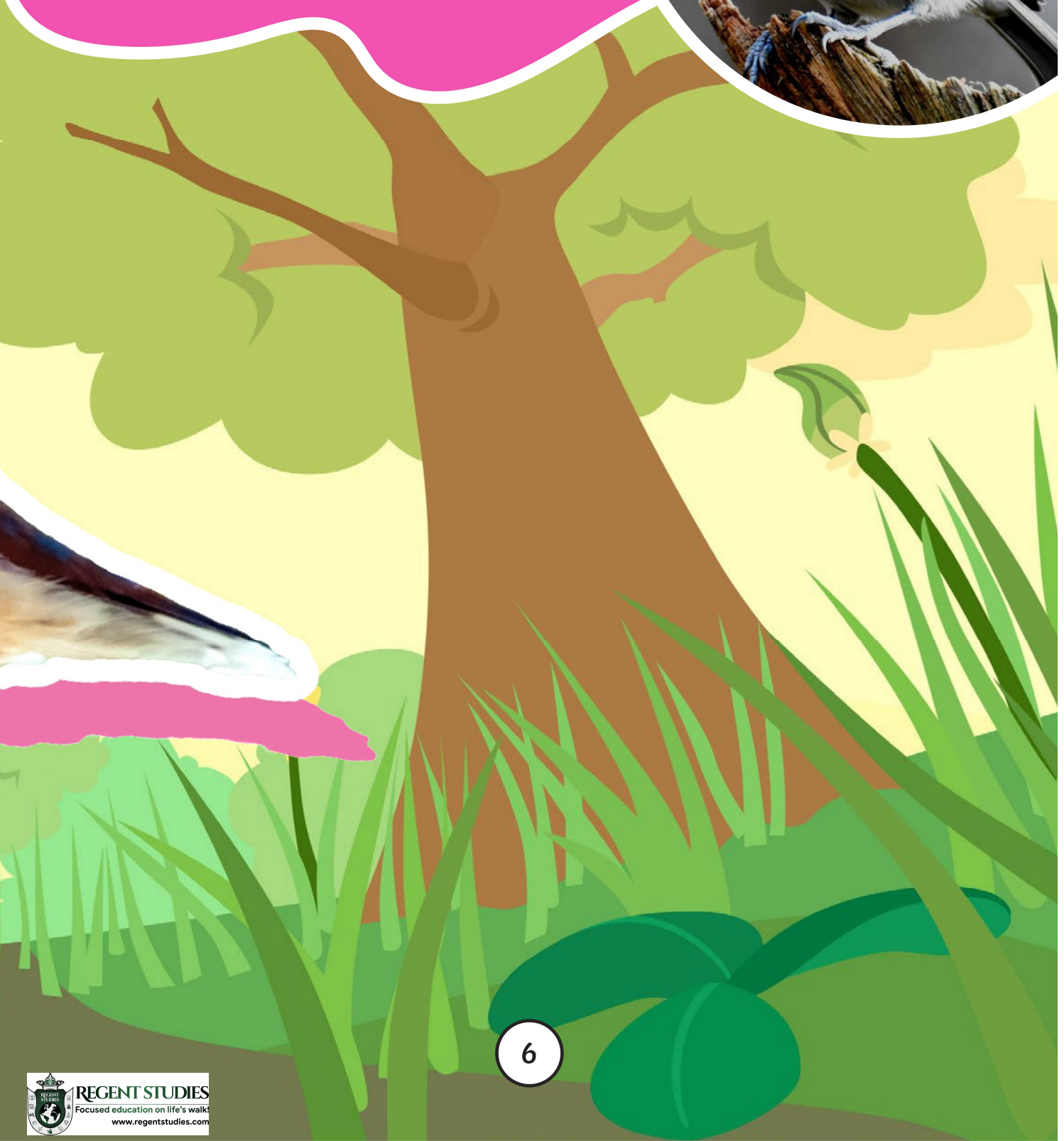
Birds

All birds have two wings, two legs, a beak and feathers. Most birds can fly but some can't.

Can you think of any birds which do not fly?



When birds are **perched**, their wings are tucked close to their body. When they fly, their wings spread out.



Chickens



There are more chickens than any other bird on the planet. This is because chickens are kept by people all over the world, sometimes as pets and for their eggs.

Chickens can fly but they aren't very good at it! Some small chickens might be able to fly over a fence or up into a small tree but they can't fly long distances.



Did you know

?

There are many species of birds that can't fly such as the penguin, ostrich and kiwi.

Penguins

Penguins can't fly.

However, they are excellent swimmers.

They have shorter, stiffer feathers than other birds, which help them to swim under water.

They also help to keep them warm.



short feathers

Penguins eat fish.
They live near to
the ocean so they
can catch their food.



Robins

Robins are little birds. The adults have a little red coloured patch on their chest.

You might see robins fly around your garden. They live in the UK all year round.



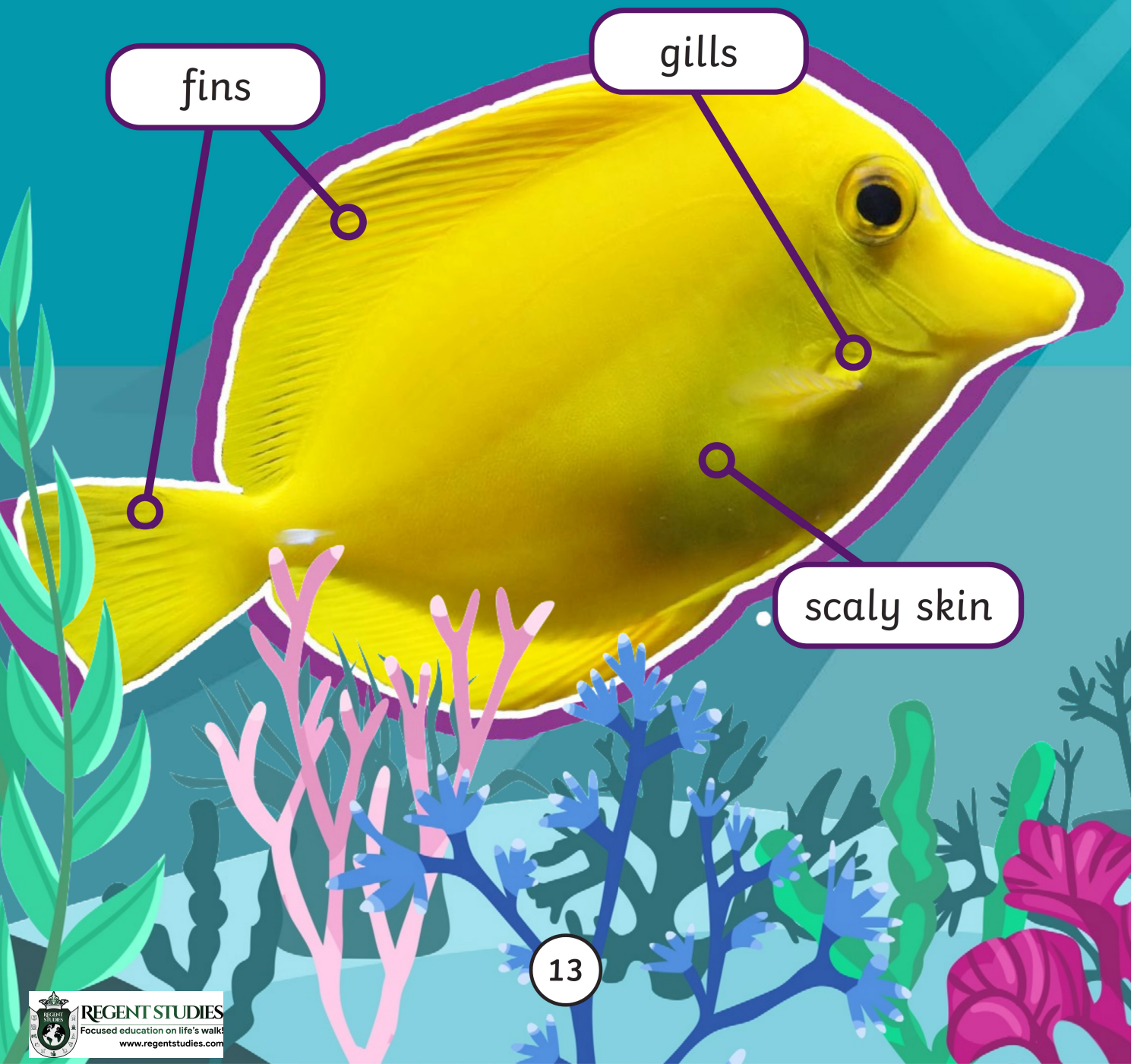



Robins are one of the most common songbirds.

Have you ever heard a robin sing?

Fish

Do you know where fish live? That's right. All fish live in water. They don't breathe air in the same way we do. Instead, they have **gills**. Gills help fish to take oxygen out of the water.



An illustration of an underwater scene. Sunlight rays stream down from the top, illuminating a school of small, dark fish swimming in the blue water. In the foreground, there are several colorful coral reefs in shades of pink, purple, and green. The overall style is clean and educational.

Fish use their fins
to help them swim
through the water.

Goldfish

Goldfish are quite often kept as pets.

Have you ever had a goldfish as a pet?





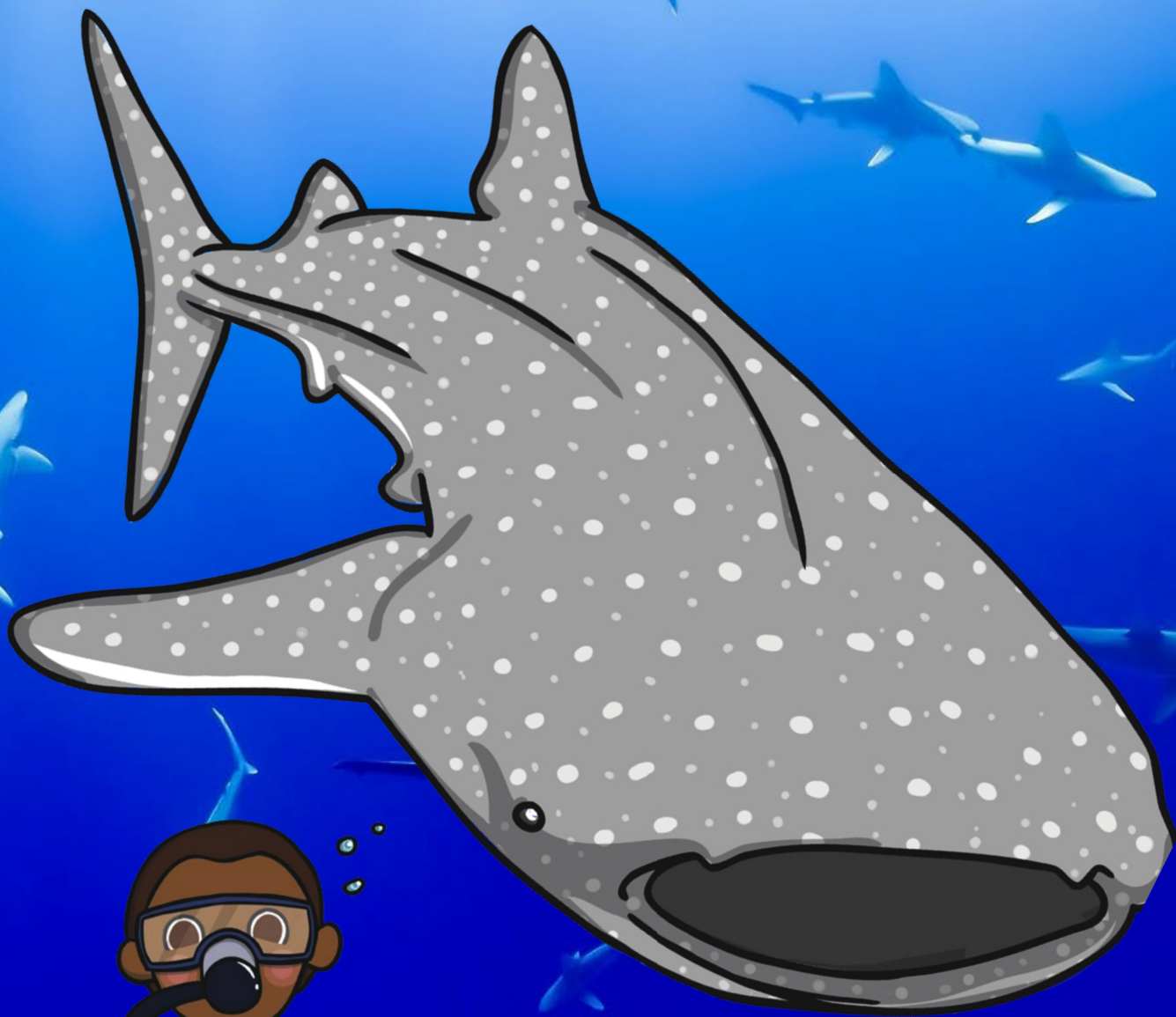
Goldfish are freshwater fish. This means that they live in water that isn't salty. Fresh water includes ponds, lakes and rivers. When they are kept as pets, they stay in tanks, garden ponds or fishbowls.

Sharks

There are lots of different types of sharks. Some are very big and some are quite small.



great white shark



Did you
know

?

The whale shark is the biggest shark alive. It can weigh the same as two elephants!

Amphibians

Amphibians are different from all other animals because they live in water and use **gills** to breathe when they are babies. However, when they are adults, they live on land and breathe air.



frog tadpoles
(baby frogs)

Although amphibians live on land when they are grown up, they still spend a lot of their time in water.



fully-grown frog

Most amphibians have four legs.

Frogs

Frogs can be found all over the world. Frogs live near fresh water, such as ponds.



Frogs have very strong back legs. This makes them very good at jumping.



Frogs have smooth skin. Their skin is a bit wet and this makes them look slimy.



smooth skin

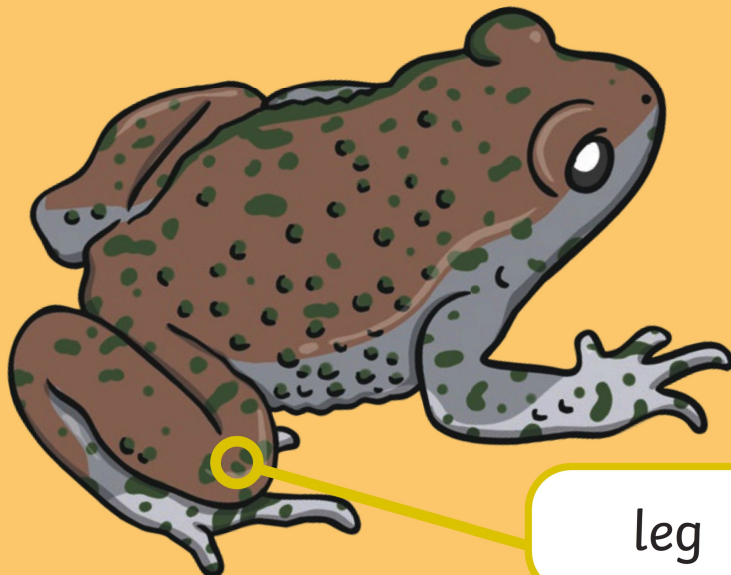
leg

Toads

Toads and frogs can look very similar but if you look closely, they are different.



Toads are not as good as frogs at jumping. Their back legs are not as strong.



A toad's skin is dry and bumpy – not like the frog's smooth, wet skin!



Did you
know

?

Frogs and toads have webbed feet to help them swim.

Reptiles

Reptiles have hard skin that is covered in scales. Some reptiles have four legs. Some have no legs at all. Some have flippers instead of legs!



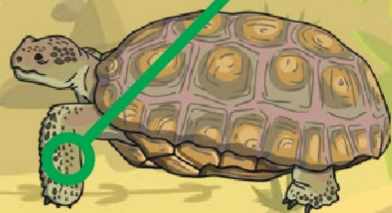
no legs



scaly skin



four legs



Turtles



Sea turtles look like tortoises except, instead of legs, they have flippers to help them swim.



They have hard scaly skin and they breathe air, just like all other reptiles.

Sea turtles spend a lot of their time in the sea.



Lizards

There are lots of different types of lizards. They may look slimy but, like all other reptiles, their skin is dry and scaly.



dry and scaly



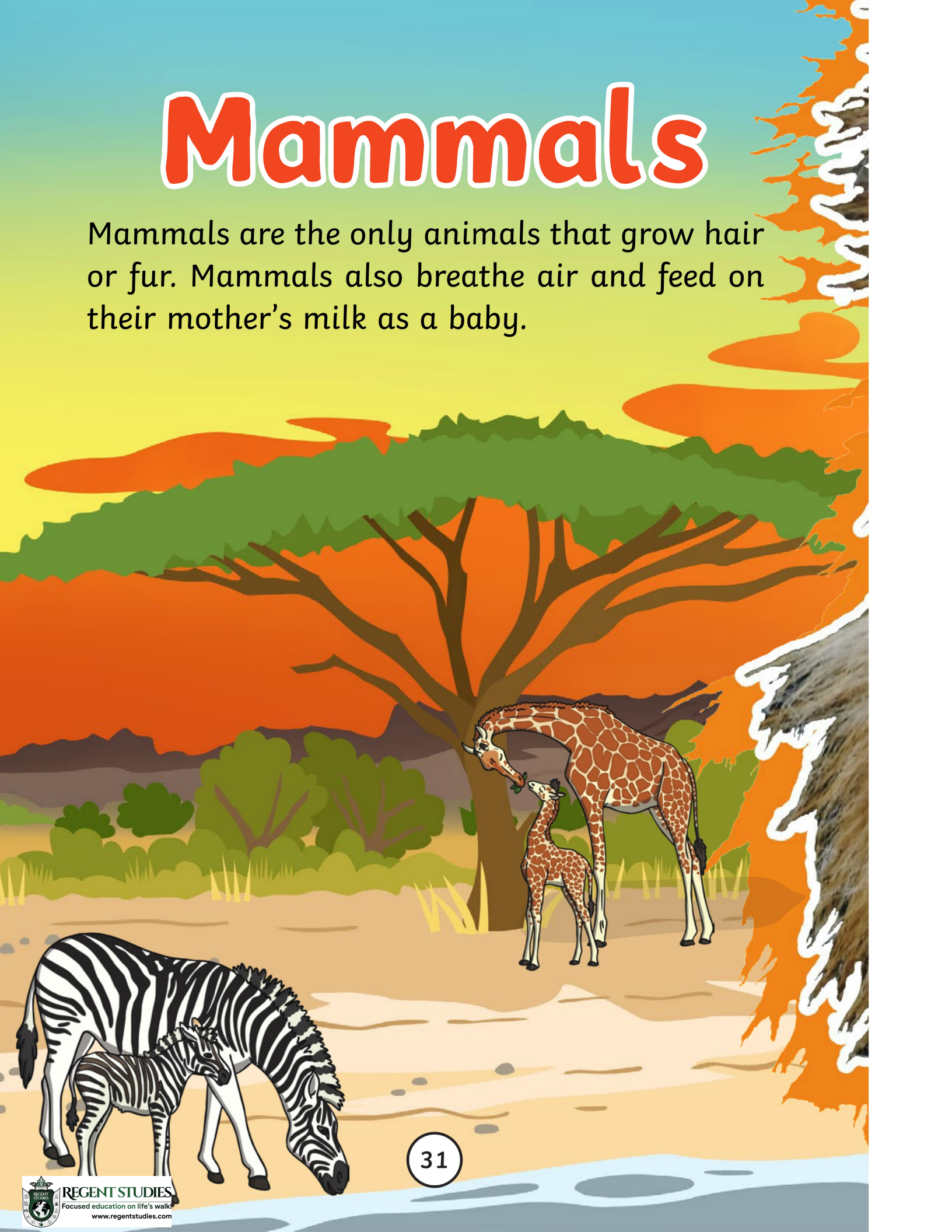
**Did you
know**



Crocodiles and alligators
are reptiles.

Mammals

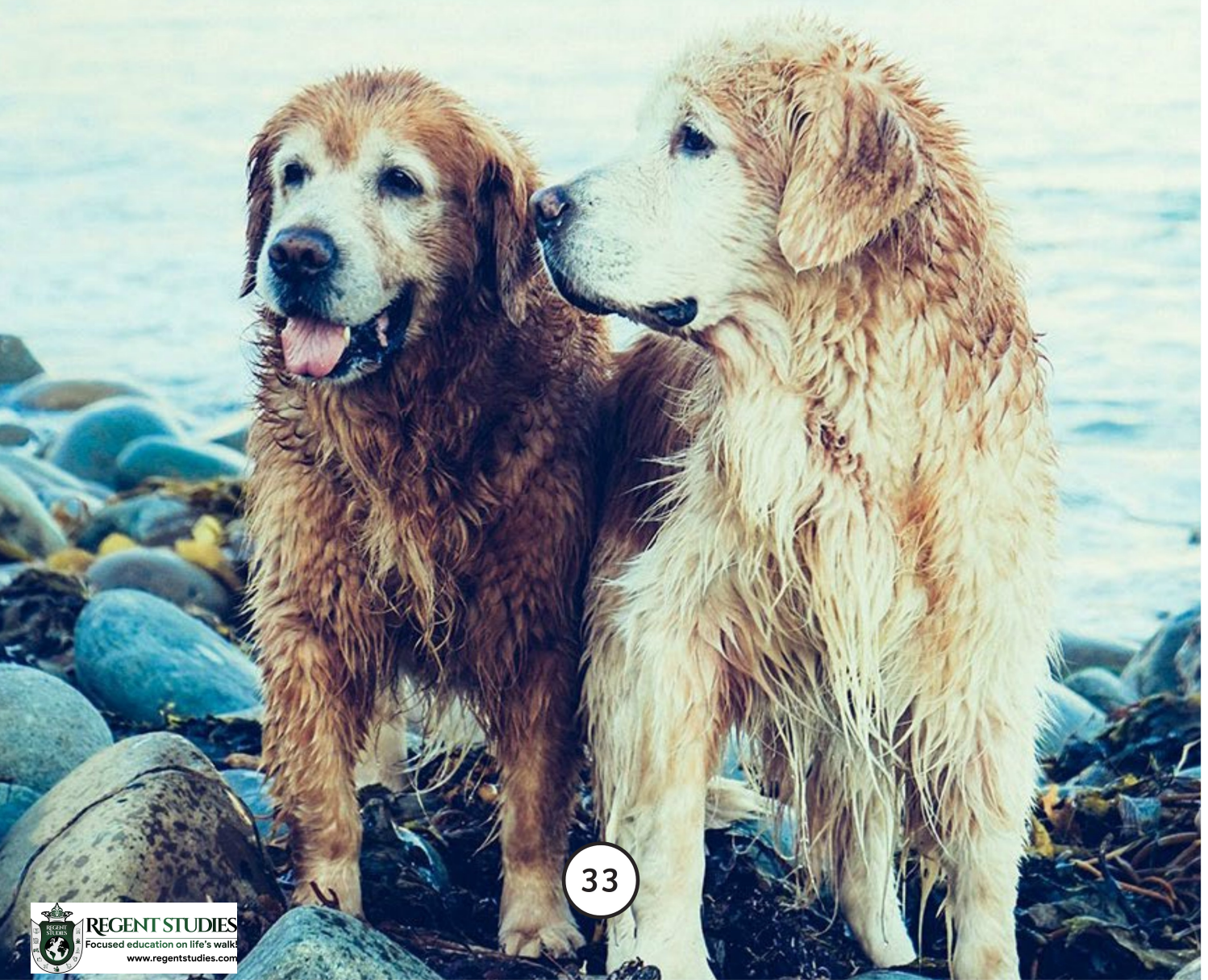
Mammals are the only animals that grow hair or fur. Mammals also breathe air and feed on their mother's milk as a baby.





Dogs

Dogs are popular pets. There are many different **breeds** of dogs and they are all different sizes. All dogs have fur or hair. They also have four legs and they can run quite fast.





Some dogs are working dogs and they help people with their jobs. Sheep dogs help farmers to round up their sheep.

Bats

Bats are mammals. They are the only mammal that can fly (others can glide).

Bats are **nocturnal**.



Look carefully at the bat.

Can you see any similarities between the bat and the other mammals?

If you look closely, you should see that the bat has fur.



Did you
know



Bats hang upside down
when they are asleep.

Dolphins

Dolphins live in water but they are not fish. They are mammals!

Like all mammals, dolphins breathe air. This means they have to come to the surface of the water to breathe. They have a special hole at the top of their heads called a blowhole, which they can use like a nose to breathe.



When they are born, dolphins have a tiny bit of hair near to their mouth but this soon falls out. Dolphins don't grow any more hair after this.



smooth skin

Parts of the Human Body

Humans are also mammals.

Look at your arms closely. You will see that you have hair on your arms. Your body is covered in very fine hair.



a

hair

j

shoulder

b

head

k

leg

c

eye

l

hand

d

ear

m

finger

e

nose

n

knee

f

elbow

o

thumb

g

teeth

p

toe

h

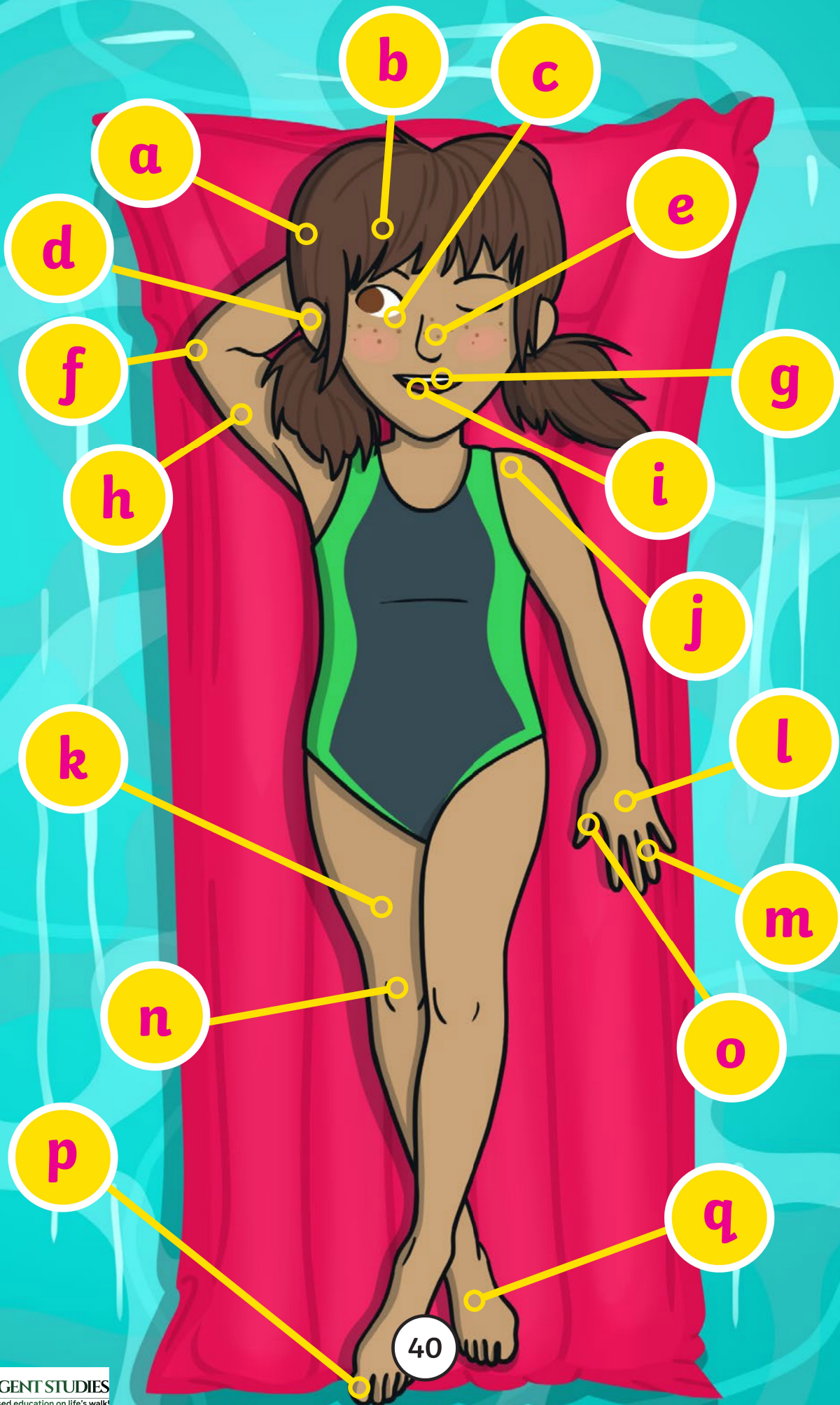
arm

q

foot

i

mouth



The Senses

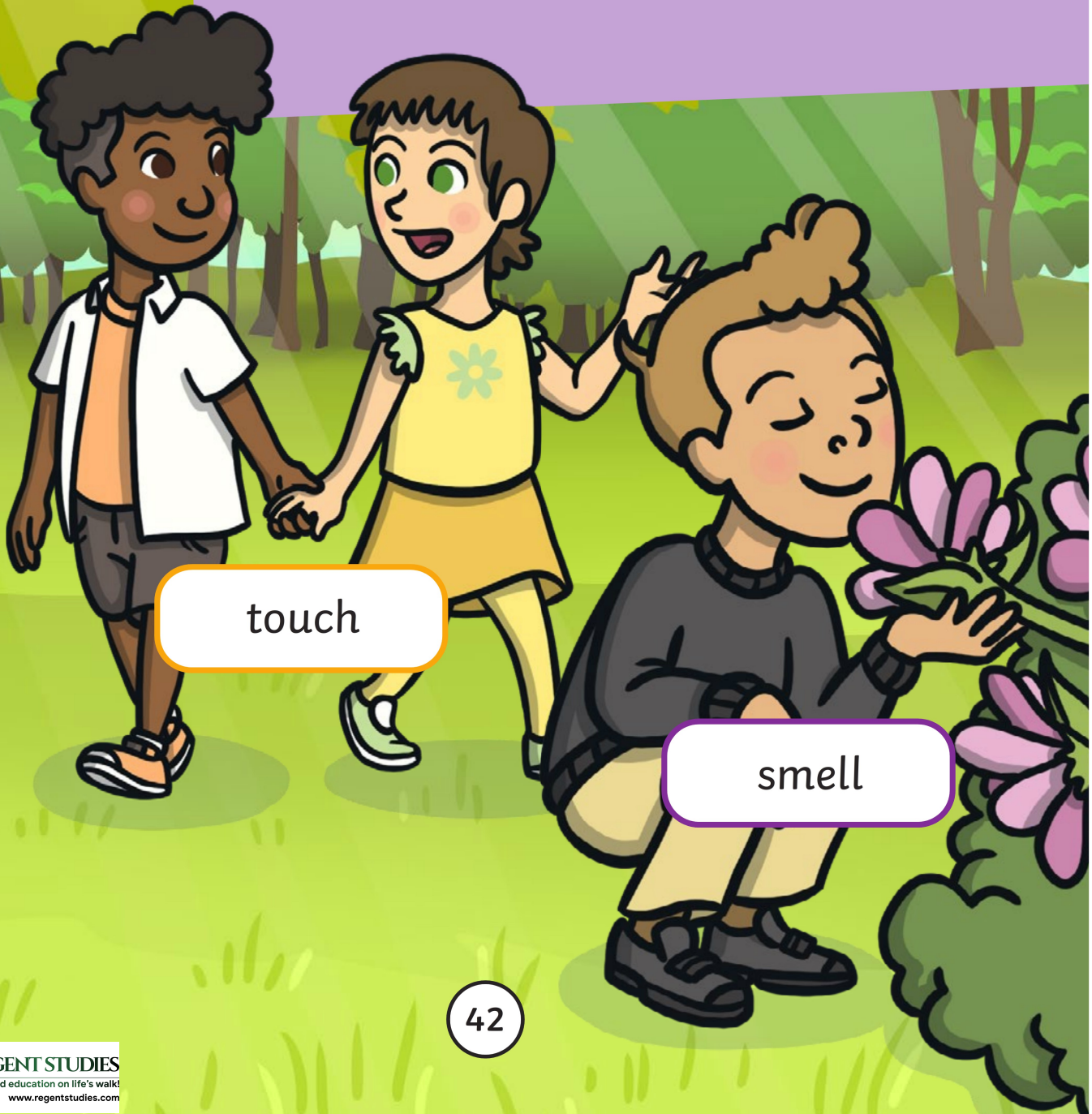
hearing



sight

taste

Humans have five senses. We use our senses to help us to understand the world around us. If you don't have one of your senses, your other senses work harder. If you can't see, you might use touch to help you move around.



touch

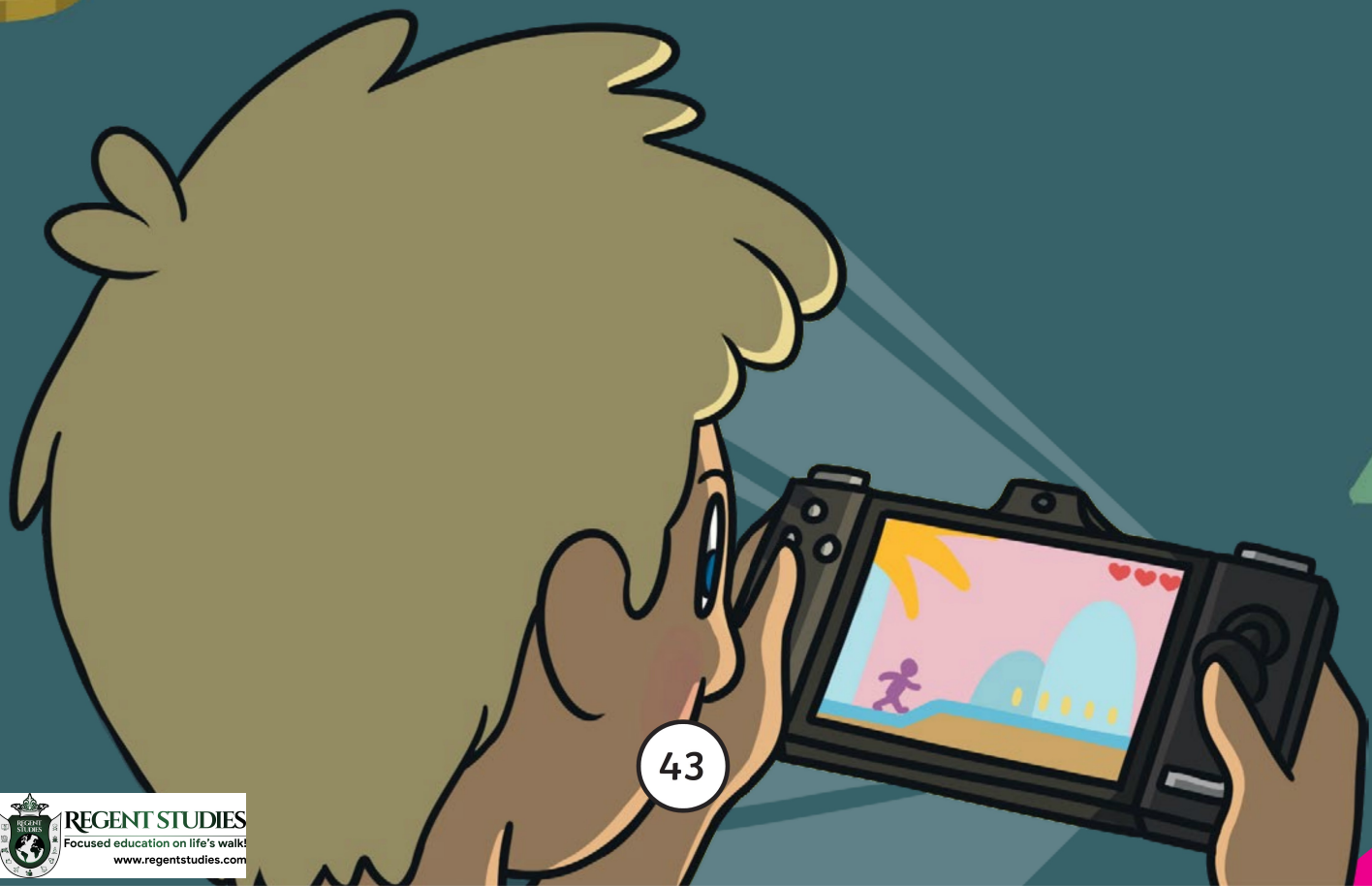
smell

Sight

Humans use their eyes to see.

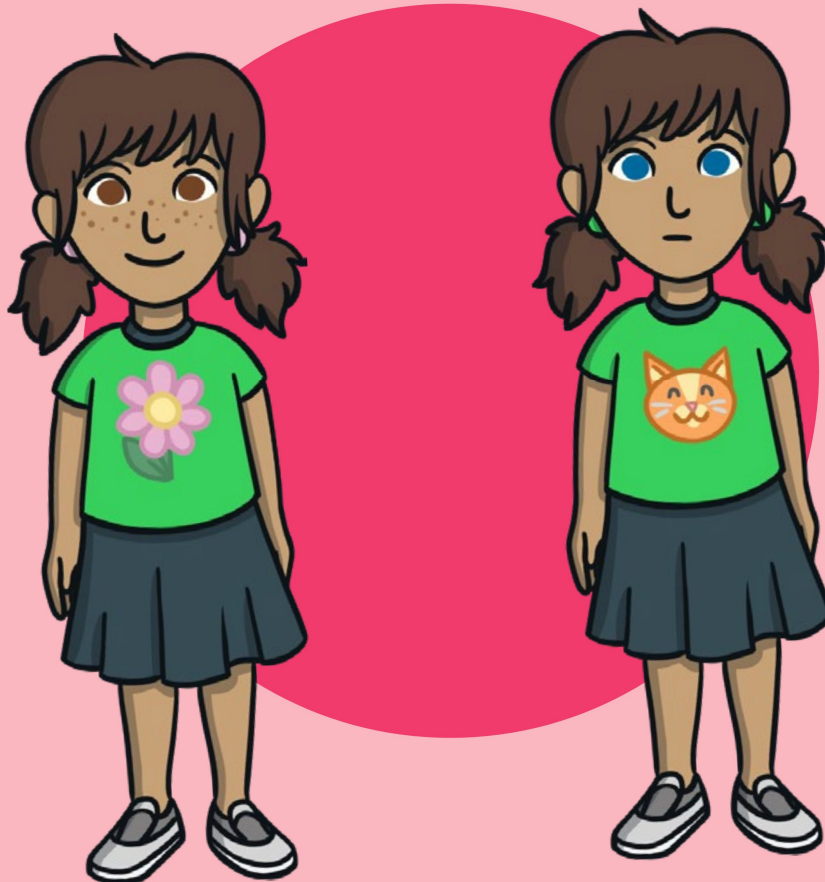
We call this our sight.

We use our sight every day in almost everything we do. Our sight helps to keep us safe. We can also read, watch TV and play games using our sight.



Investigate

Use your sense of sight to spot the five differences between the two girls.

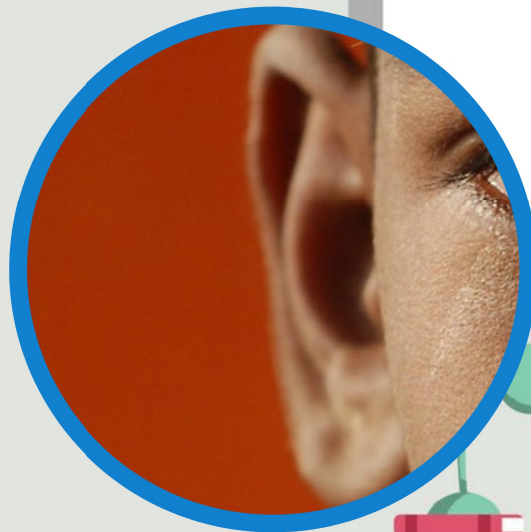


Sound

Humans use their ears to hear. Your ears collect all the sounds around you. Your brain then sorts these sounds out.

Hearing helps you to stay safe.

Can you think of a way that hearing might help to keep humans safe?



What can you hear?

Listen carefully to all the sounds around you. You will need to sit very still and stay very quiet. It might help to close your eyes too.

- What sounds can you hear?
- Are they near or far?
- What kind of things are going on around you?



What can the girl hear?

Smell

You use your nose to smell. You can smell thousands of different **scents**.

Some smells are nice, like the smell of cookies baking or the smell of flowers.



What is your favourite smell?

Some smells are not so nice, like a bin full of stinky rubbish or a pair of smelly socks.



Taste

Sour



Do you know which part of your body you use to taste things?

Sweet



It's your tongue! Your tongue has lots of taste buds on it. These help you to taste **sweet**, **sour**, **salty** and **bitter** foods.



Salty



What is your favourite taste?

Bitter



Touch

Your sense of touch comes from your skin.

If something brushes against your leg or arm, you can feel it. You can tell if something is hard or soft, hot or cold, rough or smooth – without even looking!



Your sense of touch helps you to know when something is too hot or too cold. Feeling pain can stop you hurting yourself badly.



Can you describe how the things in this picture would feel if you touched them?

What Do Animals Eat?

Animals can be sorted by the types of food they eat. All animals are herbivores, carnivores or omnivores.



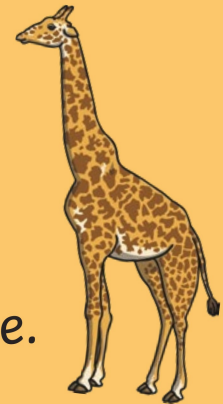
Carnivores

Carnivores are animals which eat other animals.

Here are some examples of carnivores:



Lions eat other animals, such as young elephants, giraffes and antelope.



Barn owls eat mice, shrews, voles and sometimes even frogs.



Frogs eat insects like flies and moths.



Tuna eat other fish, such as mackerel.



Snakes, like the adder, eat small animals like mice, voles, frogs and newts.



Herbivores

Herbivores eat plants, seeds and nuts.

Here are some examples of herbivores:

Giraffes eat leaves and twigs.



Greenfinches eat seeds.



Cows eat grass.



Blue tangs eat algae.



Can you think of any other animals that only eat plants?

Omnivores

Omnivores eat meat and plants. Humans are omnivores but some humans choose to become **vegetarian** or **vegan** and not eat meat.



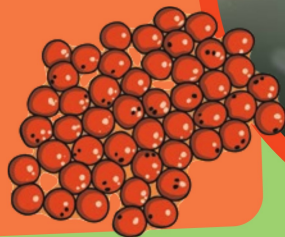
Some birds, such as robins, eat plants and meat.



Some mammals, such as mice and hedgehogs, eat seeds, plants and meat.



Some fish, such as goldfish, eat aquatic plants, as well as insects, larvae and fish eggs.





Quiz

1. What is an animal?
2. What are the animal groups?
3. Which animals have scales, fins and live in water?
4. Is a dolphin a fish or a mammal?



5. Can you name the five senses?
6. What does a carnivore eat?
7. What does a herbivore eat?
8. What does an omnivore eat?

Answers: 1. An animal is a living thing that moves and has senses. 2. Birds, fish, amphibians, reptiles, mammals. 3. Fish. 4. Mammal. 5. Sight, hearing, smell, taste and touch. 6. Other animals (meat). 7. Plants, seeds and nuts. 8. Meat, plants, seeds.

Glossary

- bitter** a sharp or bad taste
- breeds** the type of animal; a pug is a breed of dog
- evolved** changed very slowly over a long period of time
- gills** a part of the body used for breathing under water
- identify** to find out what something is
- nocturnal** awake or active at night
- oxygen** a gas which most living things breathe



perched to rest on top of something
e.g a branch

salty if something is salty it
tastes of salt

scent a smell

sour something that is sour will
have a tart or acid taste;
lemons are sour

sweet something that is sweet
will have a sugary taste

vegan a person who does not eat
anything that comes from
animals

vegetarian a person who does not
eat meat

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Did you know that dolphins are born with hair or that bats are the only mammal that can fly?

This *Animals Including Humans* eBook is filled with facts about animals that live on Earth. Learn about animals and the groups that scientists sort them into. You can also find out about what different animals eat including an animal you know very well - YOU!

