

# Science Year 1: Animals

## What should we already know?

- The names of some common animals, their babies and basic understanding of their habitats. (wild British animals and birds, farm, basic exotic)
- The parts of the human body and how they are associated with each sense.
- Body parts: shoulder, wrist, knee ankle, elbow



## What will I know by the end of the unit?

- Different animal groups
- Animals can be classified in different ways – eg by their diet, by their features
- Basic animal structures and their purposes

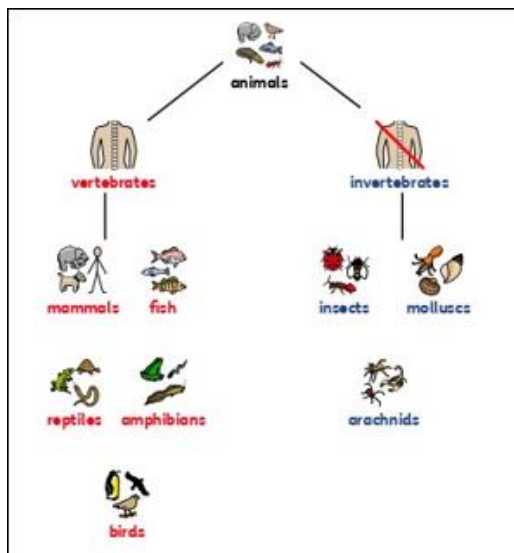
## Key skills:

- Identify and name a variety of common animals
- Describe and compare the structure of a variety of animals
- Group animals according to what they eat
- Ask and answer questions

What are mammals?	<ul style="list-style-type: none"> <li>give birth to live young</li> <li>usually have hair or fur</li> <li><b>warm-blooded</b></li> <li>cannot breathe underwater</li> <li>some common mammals are: <ul style="list-style-type: none"> <li><b>pets</b> such as dogs, cats, hamsters</li> <li><b>farm animals</b> such as cows, sheep and horses</li> <li><b>wild animals</b> such as foxes, hedgehogs, lions and giraffes</li> <li><b>humans</b></li> </ul> </li> </ul>
What are fish?	<ul style="list-style-type: none"> <li>have fins and scales</li> <li>breathe underwater using <b>gills</b></li> <li>lay eggs in water</li> <li><b>cold-blooded</b></li> <li>some common fish are salmon, cod and tuna</li> </ul>
What are birds?	<ul style="list-style-type: none"> <li><b>warm-blooded</b></li> <li>have wings and beaks</li> <li>have feathers</li> <li>lay eggs</li> <li>some common birds are ducks, chickens, penguins and pigeons</li> </ul>
What are reptiles?	<ul style="list-style-type: none"> <li><b>cold-blooded</b></li> <li>lay eggs</li> <li>have scales</li> <li>cannot breathe underwater</li> <li>some common reptiles are snakes and lizards</li> </ul>
What are amphibians?	<ul style="list-style-type: none"> <li><b>cold-blooded</b></li> <li>lay eggs</li> <li>live on land and water - can breathe underwater through <b>gills</b></li> <li>some common amphibians are frogs and toads</li> </ul>

## Vocabulary

backbone	the column of small linked bones down the middle of your back
carnivores	an animal that eats meat
cold-blooded	a body temperature that changes according to the surrounding temperature
environment	all the circumstances, people, things, and events around them that influence their life
farm	an area of land used to produce crops or to breed animals and livestock
gills	the organs on the sides of fish and other water creatures through which they breathe
herbivore	an animal that only eats plants
invertebrate	a creature that does not have a spine, for example an insect, a worm, or an octopus
omnivore	person or animal eats all kinds of food, including both meat and plants
pet	a tame animal kept in a household
temperature	a measure of how hot or cold something is
vertebrate	a creature which has a spine
warm-blooded	a fairly high body <b>temperature</b> which does not change much and is not affected by the surrounding <b>temperature</b>
wild	animals or plants that live or grow in natural surroundings and are not looked after by people



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## Assessment

Question 1: An animal that gives birth to live young and has hair or fur is called a...	Start of unit:	End of unit:
mammal		
fish		
insect		
reptile		

Question 2: An animal with scales that cannot breathe underwater and lay eggs	Start of unit:	End of unit:
reptile		
amphibian		
fish		



Question 3: What do fish, reptiles and birds have in common?	Start of unit:	End of unit:
they all have wings		
they can all breathe underwater		
they all lay eggs		
they all have feathers		

Question 4: Match these to the group they belong to:	Start of unit:	End of unit:
<div>mammal</div>	<div></div> <div>lion</div>	
<div>reptile</div>	<div></div> <div>cod</div>	
<div>bird</div>	<div></div> <div>frog</div>	
<div>fish</div>	<div></div> <div>snake</div>	
<div>amphibian</div>	<div></div> <div>penguin</div>	

Question 5: Match the types of animals to their description:	Start of unit:	End of unit:
<div>an animal that eats only meat</div> <div>an animal that eats only plants</div> <div>an animal that both meat and plants</div>	<div>omnivore</div> <div>herbivore</div> <div>carnivore</div>	