

Science Knowledge Organiser

Animals including humans (animals)		Yr 1	Main Foci: Biology
What should I already know?		Diagram	
<ul style="list-style-type: none"> The names of some common animals. Animals eat different food. 			
What will I know by the end of the unit?			
What are amphibians?	<ul style="list-style-type: none"> cold-blooded lay eggs live on land and water - can breathe underwater through gills some common amphibians are frogs and toads 		
What are mammals?	<ul style="list-style-type: none"> give birth to live young usually have hair or fur warm-blooded cannot breathe underwater some common mammals are: <ul style="list-style-type: none"> pets such as dogs, cats, hamsters farm animals such as cows, sheep and horses wild animals such as foxes, hedgehogs, lions and giraffes humans 		
What are fish?	<ul style="list-style-type: none"> have fins and scales breathe underwater using gills lay eggs in water cold-blooded some common fish are salmon, cod and tuna 	Vocabulary	
What are birds?	<ul style="list-style-type: none"> warm-blooded have wings and beaks have feathers lay eggs some common birds are ducks, chickens, penguins and pigeons 	warm-blooded	a fairly high body temperature which does not change much and is not affected by the surrounding temperature
What are reptiles?	<ul style="list-style-type: none"> cold-blooded lay eggs have scales cannot breathe underwater some common reptiles are snakes and lizards 	cold-blooded	a body temperature that changes according to the surrounding temperature
What is a carnivore?	<ul style="list-style-type: none"> Eats only meat Sharp teeth Examples are lions, ladybirds and foxes 	gills	the organs on the sides of fish and other water creatures through which they breathe
What is a herbivore?	<ul style="list-style-type: none"> Eats only plants Flat teeth Examples are cows, giraffes and rabbits 	beak	a bird's horny projecting jaws; a bill.
What is an omnivore?	<ul style="list-style-type: none"> Eats meat and plants Sharp and flat teeth Examples are humans, squirrels and pigs 	pet	A tame animal kept in a household
Procedural Knowledge		farm	an area of land used to produce crops or to breed animals and livestock
<ul style="list-style-type: none"> use observations in the local environment to compare animals or through videos and photographs describe how to identify and group animals group animals according to what they eat 		wild	animals or plants that live or grow in natural surroundings and are not looked after by people
		carnivore	an animal that eats meat
		omnivore	person or animal eats all kinds of food, including both meat and plants
		herbivore	an animal that only eats plants
		molar	a grinding tooth at the back of a mammal's mouth.
		canine	a pointed tooth between the incisors and premolars of a mammal, often greatly enlarged in carnivores.
		incisor	a narrow-edged tooth at the front of the mouth, adapted for cutting.
predator	an animal that naturally preys on others.		
prey	an animal that is hunted and killed by another for food.		

Science Knowledge Organiser

Animals including humans (animals)

Yr 1

Main Foci: Biology

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: Which of these is not a suitable pet?	Start of unit:	End of unit:
dog		
rabbit		
rhinoceros		
hamster		

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 style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px;">mammal</div> <div style="text-align: center;"> lion</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px;">reptile</div> <div style="text-align: center;"> cod</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px;">bird</div> <div style="text-align: center;"> frog</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px;">fish</div> <div style="text-align: center;"> snake</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px;">amphibian</div> <div style="text-align: center;"> penguin</div>		

Question 5: Match the types of animals to their description:	Start of unit:	End of unit:
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px; display: inline-block;">an animal that eats only meat</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 100px; margin-bottom: 10px; display: inline-block;">omnivore</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px; display: inline-block;">an animal that eats only plants</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 100px; margin-bottom: 10px; display: inline-block;">herbivore</div>		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 10px; display: inline-block;">an animal that both meat and plants</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 100px; margin-bottom: 10px; display: inline-block;">carnivore</div>		