KNOWLEDGE ORGANISER FOR YEAR 1/2
Animals Including Humans
SPRING 2020

What should I already know?
• The names of some common animals. • The parts of the human body and how they are associated with each sense.

What will I know by the end of the unit?	
What are **vertebrates**?	**Vertebrates** are animals that have a **backbone.** There are five groups of **vertebrates**: • mammals • fish • birds • reptiles • amphibians

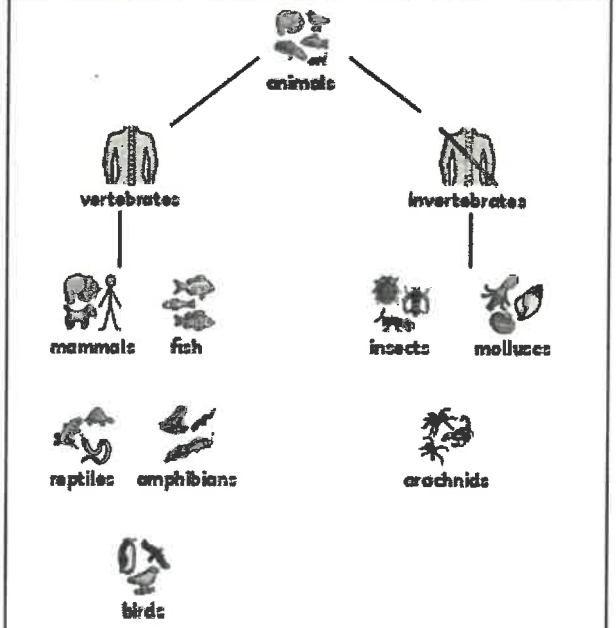
What are mammals?	• give birth to live young
	• usually have hair or fur
	• **warm-blooded**
	• cannot breathe underwater
	• some common mammals are:
	  • **pets** such as dogs, cats, hamsters
	  • **farm** animals such as cows, sheep and horses
	  • **wild** animals such as foxes, hedgehogs, lions and giraffes
	  • humans

What are fish?	• have fins and scales • breathe underwater using **gills** • lay eggs in water • **cold-blooded** • some common fish are salmon, cod and tuna
What are birds?	• **warm-blooded** • have wings and beaks • have feathers • lay eggs • some common birds are ducks, chickens, penguins and pigeons
What are reptiles?	• **cold-blooded** • lay eggs • have scales • cannot breathe underwater • some common reptiles are snakes and lizards
What are amphibians?	• **cold-blooded** • lay eggs • live on land and water - can breathe underwater through **gills** • some common amphibians are frogs and toads

What are **invertebrates**?	• **Invertebrates** are animals that do not have a **backbone.**
	• They include:
	  • insects such as flies, ladybirds and bees
	  • arachnids such as spiders
	  • molluscs such as snails

Investigate!
• 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 • research how to take care of animals taken from the local **environment** and how to return them safely

Diagram



What do animals eat?
• Animals that only eat meat (other animals) are called **carnivores** (examples include lions and eagles. • Animals that only eat plants are called **herbivores** (examples include cows and giraffes) • Animals that eat plants and meat are called **omnivores** (examples include humans and squirrels)

Vocabulary	
backbone	the column of small linked bones down themiddleof 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 **backbone**
warm-blooded	a fairlyhigh body **temperature** which does not change much and is not affected by the surrounding **temperature**
wild	animals or plants that live or grow in natural surroundings and are not looked after by people

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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:

mammal	lion
reptile	cod
bird	frog
fish	snake
amphibian	penguin

Question 5: Match the types of animals to their description:

Start of unit: | End of unit:

an animal that eats only meat	omnivore
an animal that eats only plants	herbivore
an animal that both meat and plants	carnivore