

## Year 1 Science

**NC Unit: Animals including humans (animals)**

**What other types of living things are there?**

**Biology**

**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.

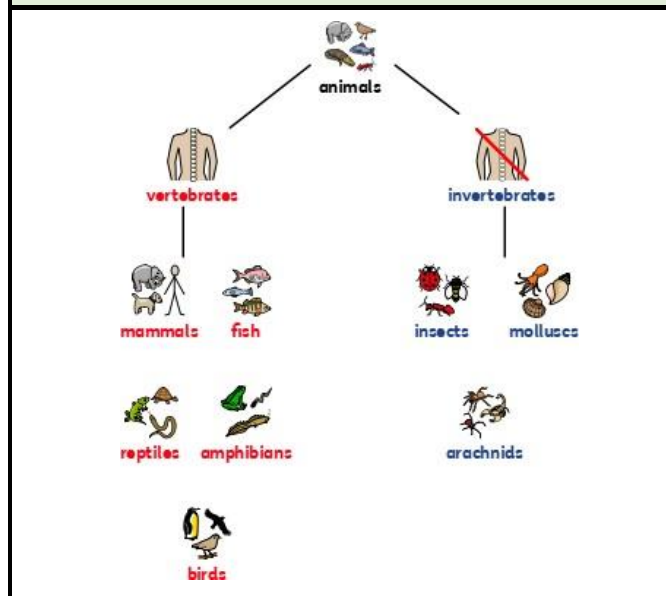
**Big Ideas this works towards:**

- *The different kinds of life, animals, plants and microorganisms, have evolved over millions of generations into different forms in order to survive in the environments in which they live.*

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

What are <b>vertebrates</b> ?	<p><b>Vertebrates</b> are animals that have a <b>backbone</b>. There are five groups of <b>vertebrates</b>:</p> <ul style="list-style-type: none"> <li>• mammals</li> <li>• fish</li> <li>• birds</li> <li>• reptiles</li> <li>• amphibians</li> </ul>
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</b> animals such as cows, sheep and horses</li> <li>• <b>wild</b> animals such as foxes, hedgehogs, lions and giraffes</li> </ul> </li> <li>• humans</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>
What are <b>invertebrates</b> ?	<ul style="list-style-type: none"> <li>• <b>Invertebrates</b> are animals that do not have a <b>backbone</b>.</li> <li>• They include: <ul style="list-style-type: none"> <li>• insects such as flies, ladybirds and bees</li> <li>• arachnids such as spiders</li> <li>• molluscs such as snails</li> </ul> </li> </ul>

**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 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 <b>backbone</b>
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

