

Topic: Livin	g things and their habitats	Yea	r: 6	Strand: Biology				
What should I already know?			What will I know by the end of the unit?					
<ul> <li>What should I already know?</li> <li>Animals can be grouped into carnivores, herbivores and omnivores. They can also be grouped into vertebrates and invertebrates.</li> <li>Organisms can be classified and we can use a classification key to identify them.</li> <li>Examples of habitats (including microhabitats) and the organisms that can be found there.</li> <li>Living things depend on each other to survive.</li> <li>How environments are changing.</li> <li>The relationships between predators and prey.</li> <li>Food chains demonstrate the direction in which energy travels.</li> <li>How organisms have adapted and evolved over time.</li> </ul>			• Living things can be grouped according to different <b>criteria</b> (where they live, what type of <b>organism</b> they are, what features they have). For example, a camel can belong in a group of <b>vertebrates</b> , a group of animals that live in the desert, and a group of animals that have four legs.					
Vocabulary			mmal	ve teathers /				
adaptation	a change in structure or function that improved on the structure of survival for an animal or plant with environment		Bird	Dry skin Moist skin				
carnivore	an animal that eats meat			Scales No scales				
characteristics	the qualities or features that belong to them them recognisable	and make	3	Fish Amphibian				
classification key	a system which divides things into groups or	types						
criteria	a factor on which something is judged			and officer Could Supreme has				
energy	the ability and strength to do physical things			amed after Carl Linnaeus, has he number of living things in each				
environment	all the circumstances, people, things, and ev them that influence their life	gro	up gets smaller and s	smaller, until there will just be one				
evolution	a process of change that takes place over ma generations, during which <b>species</b> of animals insects slowly change some of their physical <b>characteristics</b>		e of animal in the <b>sp</b>	ecies group.				
food chain	a series of living things which are linked to ea because each thing feeds on the one next to series		s Chorelata					
habitat	the natural <b>environment</b> in which an animal normally lives or grows	or plant	ammalia Carnivora	• Each level is				
herbivore	an animal that only eats plants			included in the				
invertebrate	a creature that does not have a spine, for ex insect, a worm, or an octopus	ample an	Canidae	level above it				
microhabitat	a small part of the <b>environment</b> that suppor a <b>habitat</b> , such as a fallen log in a forest	ts SPECIES:	Canis Lupis	Levels get increasingly     specific from kingdom to     specific				
microorganism	a very small living thing which you can only s use a microscope	ee if you		species				
minibeast	a small <b>invertebrate</b> animal such as an insect	or spider	What are	e microorganisms?				
omnivore	person or animal eats all kinds of food, inclue both meat and <b>plants</b>	• Mic	croorganisms are ver	ry tiny <b>organisms</b> where a				
organism	a living thing		croscope has to be us					
predator	an animal that kills and eats other animals			nisms include dust mites, bacteria				
prey	an animal hunted or captured by another for	1000	I fungi, such as moul					
species	a class of plants or animals whose members same main characteristics and are able to br each other	eed with Oth	-	an be helpful in certain situations. and their spread needs to be				
vertebrate	a creature which has a spine							

- Sort vertebrate and invertebrate animals into groups, describing their key features. Use a classification key to identify which group of vertebrates animals belong to and then create your own.
- Explore the different ways in which invertebrates can be classified (e.g. arachnids, insects, molluscs).
- Describe some organisms that may be difficult to classify (e.g. platypus) and explain why.
- Use simple computer software programmes to create a branching classification key.
- Sort scenarios where microorganisms might be helpful (e.g. yeast in baking) or harmful; (e.g. infectious diseases).
- Use classification systems and keys to identify some organisms in the immediate environment. Record these in a variety of ways (e.g. Venn and Carroll diagrams, tables)
- Research unfamiliar organisms from a broad range of other habitats and decide where they belong in the classification system.
- Research the work of Carl Linnaeus.



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Question 1: Which of these is <b>not</b> aStart ofEnd ofQuestion 2: Give an examplevertebrate?unit:unit:microorganism.				e of a	Star un				
bird									
mammal									
reptile									
insect									
amphibian									
Question 3: Name one thing that mak									
them different.	lion tiger			Start o	of unit:	En	d of unit:		
similar			different						
Question 4: Give an example of when microorganisms are helpful.					unit:	Fnc	l of unit:		
Question 5: Give an example of when microorganisms are harmful.					unit:	Enc	l of unit:		
L									
Question 6: Give an example how foo	Start of	unit:	End	of unit:					
· · · · · ·									
Question 7: What is Carl Linnaeus famous for and why is his work important?					unit:	End	of unit:		



