Year 6:Living Things and Their Habitats

Key Question: Can I organise living things using classification systems?

Key Vocabulary		Key Knowledge		
Characteri	 stics Special qualities or appearances that make an individual or group of things different to others. To sort things into different groups. A key is a series of questions about the characteristics of living things. A key is used to identify a living thing or decide 	Scientists, called Taxonomists sort and group living things according to their similarities and differences.		Classification In 1735, Swedish Scientist Carl Linnaeus first published a system for classifying all living things. An adapted version of this system is still used today: The Linnaeus System. Living things can be classified by these eight levels. The number of living things in each level gets smaller until the one animal
Bacteria	which group it belongs to by answering 'yes' or 'no' questions. A single-celled microorganism.	yes no It's a It's a bird mammal ye It's rept		of uving things in educit level gets shaller until the one unindities is left in its species level. This is how a dog would be classified. Domain: Eukarya jackal, clownfish, cat, dog, ladybird, daisy, rabbit, fox Kingdom: Animalia jackal, clownfish, cat, dog, ladybird, rabbit, fox
Microorga	nism An organism that can only be seen using a microscope, e.g bacteria, mould and yeast.	Helpful Microbes	Harmful Microbes	Phylum: Chordata jackal, clownfish, cat, dog, rabbit, fox Class: Mammalia jackal, cat, dog, rabbit, fox
Microscop	(microscopic) things by magnifying their appearance.	Bacteria - cheese	Bacteria - salmonella is a bacterium that	Order: Carnivora jackal, cat, dog, fox Family: Canidae jackal, dog, fox Genus: Canis jackal, dog
Species	A group of animals that can reproduce to produce fertile offspring.	Yeast - wine	can lead to food poisoning. Virus—chicken	Species: Lupus dog Each group allows scientists to observe and understand the characteristics of
Working Scientifically Use appropriate scientific language.			pox and flu are examples of viral diseases.	living things more clearly. They group similar things together then split the groups again and again based on their differences.
Ask questions about scientific phenomena and select the most appropriate ways to answer, recognising and controlling variables where necessary.		Bacteria - yoghurt Yeast - bread	Fungi - athlete's foot.	Microorganisms are viruses, bacteria, moulds and yeast. Some animals (dust mites) and plants
sources.			Bacteria - plaque	(phytoplankton) are also microorganisms.
	 Record data and results using scientific diagrams and labels, classification 		Fungi - mould	
keys, table	clusions, explain and evaluate their methods and findings, based			Microorganisms are very tiny living things that can only be seen using a microscope.
	on their data and observations. Raise further questions for investigations, based on data and observations.			They can only be found in and on our bodies, in the air, in water and objects



around us.