4 ¥	Castlefield School - Science								
Castlefield School	Topic: Classification of animals	Year: Six Theme: An			nals				
Key Concepts					Key Vocabulary				
What classifies as a living thing?					bacteria	cteria bacteria are single celled microbes.			
 A living thing needs to demonstrate the 7 life processes to be classified as living. M – All living things move. All animals move around to get from place to place. Plants grow and turn towards the light. 					characteristics	acteristics the qualities or features that belong to them and make them recognisable			
 Plants grow and turn towards the light. R - All living things respire. Plants and animals use the oxygen in the air to turn the food they eat into energy. S - All living things are sensitive. Every living thing can detect changes in their surroundings. N - All living things need nutrition. Food is eaten provide energy to live. Green plants make their own food using sunlight. E - All living things excrete. Waste products are removed from the body. Both plants and animals have to get rid of 					classification key	y a system which o or types	a system which divides things into groups or types		
					criteria	a factor on whic	h something is judged		
					excretion	is the life process the body	s the life process of removing waste from he body		
 R – All living things grow. Animals have young and plants produce seeds from which more plants grow. G – All living things grow. Animals grow from babies to adults. Seeds grow into plants. 					fungi	fungi Fungi are a group of living organisms which are classified in their own kingdom. Unlike bacteria, fungi have complex cells like animals and plants			
 Taxonomy Taxonomy is the science of naming, describing and classifying living things. Living things are classified on their characteristics and put into specific kingdoms. These kingdoms are then further sorted based on specific characteristics until you are left with one species. The Linnaean system, named after Carl Linnaeus, has different levels where the number of living things in each group gets smaller and smaller, until there will just be one type of animal in the species group. Characteristics of Mammals 					kingdom		kingdom is a taxonomic rank that is composed of smaller groups		
					microorganism		a very small living thing which you can only see if you use a microscope		
					MRS NERG	the acronym use processes	the acronym used to remember the 7 life processes		
					organism	a living thing	a living thing		
					respiration	• •	is the life process of breathing		
 Warm blooded Offspring are born alive Cold blooded Offspring are laid in eggs 					sensitivity		Is the life process of sensing changes in their habitat e.g. a plant detecting sunlight.		
VertebrateBreath th	 Hair or fur on body Vertebrate Breath through lungs Offspring are fed on milk Dry skin or scales Vertebrate Breath through lungs Ings 					members have th			
	oded are laid in eggs • Offspring are laid in eggs	L Characteristics of Fish Cold blooded Breath through	Characteristics of Insects Invertebrate 1 or 2 pairs of wings		taxonomy	describing and cl includes all plan	Taxonomy is the science of naming, describing and classifying organisms and includes all plants, animals and microorganisms of the world.		
	Have wings and feathers•Have wings and feathersgills3 part bodyVertebrate•Vertebrate•Fins3 pairs of joined leas					Working Scientifically Skills			
• Breathe th lungs		Lay eggs Vertebrate	Å	A	?? Using Scier to ask ques	tific knowledge tions.	Using scientific language to draw conclusions.		
Famous Scientists Carl Linnaeus (1707–1778) was a Swedish naturalist who became known as the father of taxonomy. Linnaeus introduced a new system for classifying the natural world which is still used today.					other source questions of	Recognising when to use other sources to answer questions and separating opinion from fact.			