Y3/4 Science Knowledge Organiser: Classifying Living Things and their Habitats

There are over 8 million different species of living things on our Earth.

Words to Learn		
Key Word	Definition	
classify	To arrange or group things into categories depending on characteristics.	
vertebrate	An animal with a backbone.	
invertebrate	An animal without a backbone.	
cold-blooded	An animal whose body temperature varies with the environment they are in, i.e. fish.	
warm- blooded	Animals that maintain a regular body temperature	
sample	A small amount of something to show what the whole of it may be like.	
exoskeleton	An external covering of the body found in some invertebrates such a as arthropods.	
creature	An animal, distinct from a human being.	

Туре	Food	Body	Blood
Mammal	Can be carnivorous, omnivorous or herbivorous	 Hair and fur Four-chambered hearts Females give milk Have teeth Vertebrates 	Warm- Blooded
Insect	Can be carnivorous or herbivorous	 Made up of a head, thorax and abdomen Six legs Invertebrates 	Cold- Blooded
Bird	Can be carnivorous, omnivorous or herbivorous	 Feathers Wings Beaks Lays eggs Vertebrates 	Warm- Blooded
Fish	Mostly carnivorous	 Breathe with gills Scales Fins Can swim Most are vertebrates 	Cold- Blooded
Amphibian	Can be carnivorous or herbivorous	 Live in water or land Can breathe through gills or lungs Vertebrates 	Cold- Blooded
Reptile	Can be carnivores or omnivorous	 Most lay eggs Has scales Live in water or land Vertebrates 	Cold- Blooded

Scientists classify living things by their different characteristics.



A habitat is a natural environment for any type of living organism.





Y3/4 Science Knowledge Organiser: Forces and Magnets



Words to Learn

Key Word	Definition
force	A power or strength that can cause an object to move.
friction	The force that pulls backwards when objects rub against each other.
motion	The process of movement.
texture	The feel or look of a surface.
magnet	An object that can pull some metal items towards it.
attract	To pull towards.
repel	To force back or push away.
magnetic field	The force that surrounds a magnet and attracts magnetic objects.
non-contact force	A force that occurs without objects touching each other.
magnetism	The force of a magnet.
compass	An instrument which shows direction.
orienteering	A sport where you have to find your way across a route with the aid of a map and compass.

How do magnetic poles work? The ends of a magnet are inergenegelei North Polis called poles. One end is called the north pole and the similar poles repel. If you south pole of one faces the north pole of the other, the Second Party magnets will move towards

each other. This is called attraction. If you place the magnets so that two of the same poles face each other, the magnets will move away from each other. They are repelling each other.

other end is called the south

pole. Opposite poles attract;

place two magnets so the



