SCIENCE 2021-22

KEY VOCABULARY

	Autumn 2021			Spring 2021			Summer 2022	
B 2	Plants Y1		Materials Y1 (Y2 everyday		Human Bo	dy Yı		
Y1/2	leaf		are flat, thin and y green.	uses)			hair	head eyes
	flower		art of a plant that		material – all objects are made			
		l l	en brightly	-	or m	ore materials.	ears	nose
	petal	colour	orightly coloured	hard Stretchy		soft stiff	mouth	teeth
	petai		ite part of the	bendy		floppy	shoulders	74)
		flowe		waterproo	f	absorbent		elbow
	fruit		part of a plant	breaks		tears	hand	thumb
			ontains seeds or a	rough		smooth	\ \	
	root	stone.	art of the plant	shiny		dull	fingers	I Win
	1000		rows under the	see through	h	not see	Judera	
		groun				through	leg	knee
	seed		part of a	transparent	Со	mpletely see-		
			ring plant that			rough	foot	toes
			into a new plant.	translucent		t some light		2
	trunk	tree.	main stem of a			rough but not		
	branch		f a tree that			mpletely see- rough.		
			out from the	opaque		ot able to be seen		
		trunk.		opaque		rough.		
	stem	The up	oright main stalk lant.	flexible		nds easily without eaking.		
	bark		uter covering of a	rigid		nable to bend or be		
		tree tr		rigid		rced out of shape.		
			g humans (y1)	reflective		flects light easily.	Seasonal c	
			features of	non-	Do	es not reflect light	Season	Seasons are periods of
			animals	reflective				similar weather. We have 4 seasons.
	head	<u></u>	body	absorbent		ole to soak up liquid	Autumn	Autumn takes place in:
	eyes		ears		ea	sily.		 September
	mout	:h	teeth					 October
	leg		tail					• November
	wing	5	claw				Winter	Winter takes place in:
	fin		scales					DecemberJanuary
	feathe	ers	fur					February
	beak	ζ	paws				Spring	Spring takes place in:
	hoove	es	hair					March
								• April
								• May
							Summer	Summer takes place in: • June
								• July
								August
							Weather	This is how sunny, rainy,
								windy, snowy etc that it is
								It changes with the
							sunrise	seasons. The time in the morning
							Sumse	when the sun first appears
								in the sky.
							sunset	The time in the evening
								when the sun disappears

						out of sight in the sky.
						out of signt in the sky.
					1	
					Plants Y2	
					seed	Part of a flowering plant that grows into a new plant.
					bulb	A root shaped like an onion that grows into a new plant.
					germinate	When a seed begins to grow its shoots. Seeds need warmth and water
					seedling	A young plant that has grown from a seed.
					bud	Growth on a plant that develops into a stem, leaf or shoot.
					flower	The part of a plant which is often brightly coloured and grows at the end of a stem.
					fruit	Fleshy part of a plant that contains seeds or a stone.
					berry	Small, juicy fruit without a stone.
					root	The part of the plant
						The part of the plant that grows under the
						that grows under the ground.
D.a.	Diants Va		Dooks V			that grows under the
B 3	Plants Y2	Part of a flowering	Rocks Y		Forces Y ₃	that grows under the ground.
B 3 Y2/3	Plants Y2 seed	Part of a flowering	rock	A naturally occurring	Forces Y3 force	that grows under the ground. A force is a push or a pull.
_	I	plant that grows	rock	A naturally occurring material made of	Forces Y3 force magnetic	that grows under the ground.
_	I	_	rock	A naturally occurring	Forces Y3 force magnetic force	that grows under the ground. A force is a push or a pull. An invisible force that
_	seed	plant that grows into a new plant.	rock	A naturally occurring material made of minerals. They can be	Forces Y3 force magnetic	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel,
_	seed bulb	plant that grows into a new plant. A root shaped like an onion that grows into a new plant.	rock	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that
_	seed	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins	rock	A naturally occurring material made of minerals. They can be different sizes: • stones	Forces Y3 force magnetic force	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless
_	seed bulb	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots.	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force magnet	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that
_	seed bulb	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic.
_	seed bulb	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force magnet	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards.
_	seed bulb germinate	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate.	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force magnet attract repel poles	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole.
_	seed bulb	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force magnet attract repel	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a
_	seed bulb germinate	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate. A young plant that has grown from a seed. Growth on a plant	fossil	A naturally occurring material made of minerals. They can be different sizes:	Forces Y3 force magnetic force magnet attract repel poles contact	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole. Many forces need contact to act:
_	seed bulb germinate seedling	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate. A young plant that has grown from a seed. Growth on a plant that develops into a	fossil soil Light Y3	A naturally occurring material made of minerals. They can be different sizes: • stones • pebbles • boulders The bones or other remains of living things are sometimes preserved in rocks as fossils. Ground up rock mixed with plant and animal remains.	Forces Y3 force magnetic force magnet attract repel poles contact force non-	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole. Many forces need contact to act:
_	seed bulb germinate seedling bud	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate. A young plant that has grown from a seed. Growth on a plant that develops into a stem, leaf or shoot.	fossil	A naturally occurring material made of minerals. They can be different sizes: • stones • pebbles • boulders The bones or other remains of living things are sometimes preserved in rocks as fossils. Ground up rock mixed with plant and animal remains. We can see objects	Forces Y3 force magnetic force magnet attract repel poles contact force	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole. Many forces need contact to act:
_	seed bulb germinate seedling	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate. A young plant that has grown from a seed. Growth on a plant that develops into a stem, leaf or shoot. The part of a plant	fossil soil Light Y3	A naturally occurring material made of minerals. They can be different sizes: • stones • pebbles • boulders The bones or other remains of living things are sometimes preserved in rocks as fossils. Ground up rock mixed with plant and animal remains. We can see objects because our eyes can	Forces Y3 force magnetic force magnet attract repel poles contact force non-	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole. Many forces need contact to act:
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_	seed bulb germinate seedling bud flower	plant that grows into a new plant. A root shaped like an onion that grows into a new plant. When a seed begins to grow its shoots. Seeds need warmth and water to germinate. A young plant that has grown from a seed. Growth on a plant that develops into a stem, leaf or shoot. The part of a plant which is often brightly coloured and grows at the end of a stem.	fossil soil Light Y3 light dark	A naturally occurring material made of minerals. They can be different sizes: • stones • pebbles • boulders The bones or other remains of living things are sometimes preserved in rocks as fossils. Ground up rock mixed with plant and animal remains. We can see objects because our eyes can sense light. Darkness is the absence of light. Some objects emit their own light and are	Forces Y3 force magnetic force magnet attract repel poles contact force	A force is a push or a pull. An invisible force that attracts magnetic metals. Magnets attract magnetic materials. Iron, nickel, cobalt and materials that contain these (e.g. stainless steel) are magnetic. To pull towards. To push away. Magnets have two poles, a north pole and a south pole. Many forces need contact to act:
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	1
root	The part of the plant
	that grows under
	the ground.
	function of different
parts of flower	ering plants and trees
roots	Anchor a plant in
	place. The roots also
	absorb water and
	nutrients from the
	soil.
stem/trunk	Transports water
	and nutrients
	around the plant. It
	also holds the
	leaves/flowers up in
	the air.
leaves	They use sunlight
	and water to
	produce the plant's
	food.
Photo-	The way in which
synthesis	plants make food in
	their leaves.
pollen	This is a very fine
	powder that is
	produced by the
	male part of the
	flower.
pollination	When pollen is
	transferred to
	female parts of a
	flower. This can be
	done by wind or
	insects.
seed	Seeds can develop
formation	after pollination.
	They can be found
cood	in berries or fruits.
seed	Seeds can be
dispersal	dispersed in
	different ways, for
	example, wind,
danmi	animals or water.
germination	When a seed
	sprouts a root and
	shoot.

parent	completely see through
	so all the light can pass
	through.
Trans-	A material that lets
lucent	some light through but
	not all of it.
opaque	A material that light
	cannot pass through.
	You cannot see through
	it.
shadow	These are formed when
	an object blocks light.
reflect	When light bounces off
	a surface.
mirror	A sheet of glass or
	metal that reflects light.

Animals, including humans Y2
Name some different sources of food for animals



Know the importance of a nutritious, balanced diet Y3

nutrition	Food necessary for
	health and growth.

nutrients	Useful substances	
nutrients		
	that help animals	
Carriba	and plants grow.	
Carbo-	These are the foods	
hydrates	that give us energy.	
	They are found in	
	sugary and starchy	
	foods.	
. •		
proteins	These are important	
	so the body can	
	grow, repair and	
	build muscle.	
vitamins and	Substances found in	
minerals	foods which keep us	
	healthy. These are	
	found in fruit and	
	vegetables.	
fibre	This lets food pass	
libre	quickly through	
	your body. It helps	
	keep your digestive	
	system in good	
	working order.	
skeleton	This supports and	
Skeletoli	protects the body,	
	allowing it to move.	
bones	The hard parts	
303	inside your body	
	which form your	
	skeleton.	
muscles	These are attached	
	to bones and help	
	us move.	
joints	The place where 2	
,	bones meet.	

All living things and their		States of Matter Y4		Electricity Y4		
habitats	Y4		change of	When a material	electricity	A form of energy used
classifica	ation	Grouping things	state	changes from one		for lighting, heating,
		based on their		state to another.		making sound and
		characteristics so	melting	A solid changing		making machines worl
		that they can be		into a liquid.	electrical	A machine or device
		identified.	freezing	When a liquid	appliance	that runs on electricity
classifica	ation	A series of yes/no		becomes cold	mains	The electricity supplied
key		questions that		enough to turn		to households from
		help identify or		solid, it freezes.		power stations.
		classify things.	melting	The temperature	electrical	This consists of a cell of
environr	nent	The conditions in	point	at which a solid	circuit	battery connected to
		which a living		becomes a liquid.		component using wire
		thing exists. Soil,	boiling point	The temperature		It needs to be a
		climate and other		at which a liquid		complete circuit to
		living things all		turns into a gas.	cell and	work. A cell is a single unit a
		count as part of the environment.	evaporation	When liquid	battery	collection of cells.
habitat			condensation	changes into a gas.	electrical	
liabitat		The place where an animal or plant I	Condensation	The process when a gas changes into	component	A part that combines with others to form a
migrate		The long-distance		a liquid, caused by		circuit. E.g. bulb, moto
ingrate		movement of		cooling.		, buzzer
		animals, usually	water cycle	The never-ending	switch	Can be added to a
		due to a change	water cycle	process of water		circuit to turn a
		in the seasons.		moving from the		component on or off.
hibernat	e	An animal or plant		oceans, up into the		It allows the electricity
		that spends the		atmosphere, and		to flow or it stops it.
		winter in a		back to the Earth	conductor	Material that allows
		dormant state.		and oceans.		electricity to pass
vertebra	ites	Animals that have	temperature	The measure of		through.
		a backbone. Fish,		how hot or cold	insulator	Material that does not
		amphibians,		something is.		allow electricity to pas
		reptiles, birds and				through it.
		mammals.				
inverteb	rates	Animals that do				
		not have a back				
		bone. Examples				
1.1		· · · · · · · · · · · · · · · · · · ·				
		are snails, worms,				
	1.6	are snails, worms, spiders and insects			C 11/2	
Earth and		are snails, worms, spiders and insects	Properties an	d changes in	Sound Y4	Compathing
Earth and	The p	are snails, worms, spiders and insects EY5 Janet we live on. It	material Y5		Sound Y4	Something you can
	The p	are snails, worms, spiders and insects EY5 Planet we live on. It third planet from	material Y5	Does not allow heat to		hear or that can be
Earth	The p is the the S	are snails, worms, spiders and insects 2Y5 blanet we live on. It third planet from un.	material Y5 thermal insulator	Does not allow heat to pass through it easily.		hear or that can be heard. We hear sound
	The p is the the S	are snails, worms, spiders and insects EY5 Danet we live on. It third planet from un. The third star at the	material Y5 thermal insulator thermal	Does not allow heat to pass through it easily. Allows heat to pass	sound	hear or that can be heard. We hear sound with our ears.
Earth	The p is the the S The S centr	are snails, worms, spiders and insects EY5 Danet we live on. It third planet from un. Jun is the star at the re of our solar system	thermal insulator thermal conductor	Does not allow heat to pass through it easily. Allows heat to pass through it easily.	sound	hear or that can be heard. We hear sound with our ears. A source is producing
Earth	The prist the Street The Street The Street It is n	are snails, worms, spiders and insects eY5 planet we live on. It third planet from un. Jun is the star at the e of our solar system out safe to look	thermal insulator thermal conductor electrical	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow	sound	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par
Earth	The prist the S The S centr It is n direc	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. ion is the star at the e of our solar system ot safe to look tly at the Sun, even	thermal insulator thermal conductor	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass	sound sound source	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating.
Earth	The prist the Street The Street Stree	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system of safe to look tly at the Sun, even wearing dark	thermal insulator thermal conductor electrical	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow	sound	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe
Earth	The prist the Street The Street Stree	are snails, worms, spiders and insects eY5 clanet we live on. It third planet from un. cun is the star at the e of our solar system tot safe to look tly at the Sun, even a wearing dark es.	thermal insulator thermal conductor electrical insulator	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it.	sound sound source	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating.
Sun	The p is the the S The S centr It is n direc wher glass	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system of safe to look tly at the Sun, even wearing dark	material Y5 thermal insulator thermal conductor electrical insulator	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely	sound sound source	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves
Sun	The p is the the S The S centr It is n direc wher glass	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system out safe to look tly at the Sun, even a wearing dark es. noon is the only ral satellite of the	material Y5 thermal insulator thermal conductor electrical insulator electrical conductor	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid	sound sound source	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves
Sun	The prist the State of the Stat	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system out safe to look tly at the Sun, even a wearing dark es. noon is the only ral satellite of the	thermal insulator thermal conductor electrical insulator electrical conductor dissolve	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen.	sound sound source	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and
Sun	The p is the state of the S centre It is no direct where glass The no nature Earth Large	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system of safe to look tly at the Sun, even wearing dark es. noon is the only ral satellite of the	material Y5 thermal insulator thermal conductor electrical insulator electrical conductor	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid	sound source vibrations	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards.
Sun Moon	The pis the State of the State	are snails, worms, spiders and insects eY5 clanet we live on. It third planet from un. cun is the star at the e of our solar system out safe to look tly at the Sun, even a wearing dark es. conon is the only cal satellite of the eround objects,	thermal insulator thermal conductor electrical insulator electrical conductor dissolve	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid	sound source vibrations	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a
Sun	The prist the Street t	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. bun is the star at the e of our solar system to safe to look tly at the Sun, even a wearing dark es. noon is the only ral satellite of the eround objects, e of rock or gas, move around the	thermal insulator thermal conductor electrical insulator electrical conductor dissolve	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid or gas.	sound source vibrations	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a sound is.
Sun Moon	The prist the Street t	are snails, worms, spiders and insects eY5 clanet we live on. It third planet from un. but is the star at the e of our solar system of safe to look tly at the Sun, even in wearing dark es. noon is the only ral satellite of the e round objects, e of rock or gas,	thermal insulator thermal conductor electrical insulator electrical conductor dissolve	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid	sound source vibrations	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a sound is. How loud or quiet a sound is.
Sun Moon planets	The prist the State of the Stat	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. bun is the star at the e of our solar system to safe to look tly at the Sun, even a wearing dark es. noon is the only ral satellite of the eround objects, e of rock or gas, move around the	thermal insulator thermal conductor electrical insulator electrical conductor dissolve	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid or gas. Solids and gases that dissolve in liquids. Solids that do not	sound source vibrations pitch volume	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a sound is. How loud or quiet a sound is.
Sun Moon planets	The pis the state of the ST The ST Centre It is not direct where glass The notation Earth Large made that results.	are snails, worms, spiders and insects eY5 clanet we live on. It third planet from un. Soun is the star at the e of our solar system of safe to look tly at the Sun, even a wearing dark es. The noon is the only ral satellite of the eround objects, e of rock or gas, move around the un and all the ets that orbit around	thermal insulator thermal conductor electrical insulator electrical conductor dissolve solution soluble insoluble	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid or gas. Solids and gases that dissolve in liquids. Solids that do not dissolve in a liquid.	sound source vibrations pitch volume sound	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a sound is. How loud or quiet a sound is. A material which block
Sun Moon planets	The pis the street the S The S centre It is no direct where glass The no nature Earth Large made that resum. The separate sun. The separate sun. A huge	are snails, worms, spiders and insects eY5 blanet we live on. It third planet from un. but is the star at the e of our solar system to tafe to look tly at the Sun, even a wearing dark es. noon is the only ral satellite of the e round objects, e of rock or gas, move around the un and all the	thermal insulator thermal conductor electrical insulator electrical conductor dissolve solution soluble	Does not allow heat to pass through it easily. Allows heat to pass through it easily. Does not allow electricity to pass through it. Allows electricity to pass through it. A solid that completely mixes in with a liquid and cannot be seen. A mixture of a liquid with a dissolved solid or gas. Solids and gases that dissolve in liquids. Solids that do not	sound source vibrations pitch volume sound	hear or that can be heard. We hear sound with our ears. A source is producing sound when some par of it is vibrating. Sounds are made whe something vibrates. This means it moves quickly backwards and forwards. How high or low a sound is. How loud or quiet a sound is. A material which block

		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			
	rotate	When an object rotates		solid that is mixed in a liquid.		
	orbit	it turns (spins) on its axis.	evaporation	Separates a soluble		
	orbit	The curved path that an object follows going	Cvaporation	splid and a liquid.		
		around a star or a planet.	reversible	Changes that can be		
		around a star or a planet.	change	s witched back and are		
				not permanent. E.g.		
				dissolving, melting, freezing		
			non-	Changes that can not		
			reversible	be reversed back to		
			change	their original state.		
			8 .	E.g. burning, rusting		
B 5	Animals i	ncluding humans Y6	Living things	and their	Forces Y5	
Y5/6	heart	The heart pumps	habitats Y6	_	force	A force is a push or a
		blood around your	life cycle	This shows how		pull. Forces make
		body.		things are born,		objects start moving,
	pulse	Each time the heart		how they grow and		stop moving, speed
		beats it can be felt as		reproduce.		up, slow down or
		a pulse in the arteries.	reproduction	As part of their life		change direction.
		Typically, in the wrist		cycle plants and	gravity	A force which pulls
	blood.	and neck.		animals reproduce.		things down towards t
	blood	The red liquid		There is sexual and	F	the Earth.
		pumped around the body by the heart. It		asexual	Force meter	Piece of equipment used to measure the
		transports oxygen,	sexual	reproduction. Both the male and	meter	size of a force.
		nutrients and water	reproduction	female are needed.	Newton (N)	
		to all the parts of the	reproduction	Most animals	Newton (N)	measuring force.
		body.		reproduce sexually.	air	The force that slows
	blood	The narrow tubes	asexual	Only one parent is	resistance	down objects that
	vessels	which our blood flows	reproduction	needed. This		move through air.
		through including the		occurs mostly in	water	A force that slows
		arteries, veins and		plants and	resistance	down objects moving
		capillaries.		bacteria.		through water.
	lungs	Two organs situated	fertilise	In animals:	friction	When one surface
		in the ribcage that fill		When the male		moves against
		with air when you		sperm reaches the		another, the rubbing
		breathe in. They		female egg.		force that tries to
		remove carbon		In plants:		stop them is called
		dioxide from blood		When the male		friction. It gives us
	<u>c: 1 :</u>	and add oxygen.		pollen reaches the	<u> </u>	grip.
	Circulat-	This circulates blood		female ovule.	mechanisms	A device that allows a
	ory syste	through the body. It consists of the heart,	Meta-	A major change		small force to be
		blood and blood	morphosis	from one form to another in the life		increased to a larger force.
		vessels.			simple	Levers, pulleys and
	diet	The sort of food		cycle of some animals when they	machines	gears are all types of
	dict	animals or humans		change from young		simple machines.
		regularly eat.		to an adult.		Simple machines:
	exercise	Activity that requires	runner	A long stem of a	Sound Y4	
		physical effort,		plant that grows	sound	Something you can
		carried out to sustain		along the ground		hear or that can be
		or improve health and		in order to put		heard. We hear sound
		fitness.		down roots in a		with our ears.
	drugs	A medicine or other		new place.	sound	A source is producing
		substance that has	bulb	A round root of	source	sound when some part
		an effect in a person's		some plants from		of it is vibrating.
		body.		which the plant	vibrations	Sounds are made when
	lifestyle	The way in which a		grows.		something vibrates.
		person lives.	cutting	A piece, such as a		This means it moves
				roof, stem or leaf		quickly backwards and
				cut from a plant		forwards.

			1 1
	and used to grow	pitch	How high or low a
	another plant of	_	sound is.
	the same type.	volume	How loud or quiet a
tuber	A swollen		sound is.
	underground stem	sound	A material which block
	or root of a plant	insulation	sound effectively.
	from which new		
	plants can grow.		
	nd adaptation Y6		
evolution	The way in which		
	plants and animals		
	have changed over		
	millions of years.		
offspring	A person's child/		
	children or an		
	animal's young.		
inherited	The way a trait or		
	characteristic is		
	passed to offspring		
Clarana at an	from parents.		
Character-	A distinguishing		
istics	trait, feature or		
variation	quality.		
variation	A change or small difference.		
adapted	Animals and plants		
auapteu	are adapted to		
	their environment.		
	Their bodies are		
	suited to the way		
	they live.		
environmen	-		
	which a living		
	thing exists.		
species	A group of closely		
•	related organisms		
	that are very		
	similar to each		
	other. We are the		
	human species.		
fossil	The naturally		
	preserved remains		
	or traces of animals		
	or plants that lived		
	long ago.		
iving things	and their habitats Y6		
vertebrat	Animals that have a		
e	backbone. They can be		
	divided into 5 groups:		
	fish, amphibians,		
	reptiles, birds and mammals.		
fich	- COID-DIOODAD		
fish	- cold-blooded		
fish	- scales covering its		
fish	- scales covering its body		
fish	- scales covering its body - has fins		
fish	- scales covering its body - has fins - lives in water, lays		
fish	- scales covering its body - has fins - lives in water, lays eggs in water		
fish	- scales covering its body - has fins - lives in water, lays		

	- start as eggs in water
	and breathe through
	gills
	- later develop lungs
	and live on land and in
	water
	- lays eggs in water
	- damp skin/body
reptile	
	- breathes with lungs
	- dry, scaly skin
	- lay soft-shelled eggs
	on land
bird	- warm-blooded
	- breathes with lungs
	- lays eggs with hard
	shells
	- covered with feathers
	- have wings but not
	all can fly
mamm	<u> </u>
	- have fur or hairy skin
	- give birth to live
	young
	- feed their young milk
Inverte	
brate	Can be divided into several groups
	including insects, spiders, snails and
	worms.
plants	Can make their own
	food. They can be
	divided broadly into
	two main groups:
	flowering plants and
	non-flowering plants.
	l l