Science - Autumn Term 1		
Body Systems		
How many chambers does the human heart have?	Answer	
What are the three different types of blood vessels in your body called?	Answer	
What does blood do?	Answer	
Why is exercise important?	Answer	
How does nutrition affect our brain and behaviour?	Answer	
Why is water important in keeping our bodies healthy?	Answer	

Ryefield Year 6 Science Inners.indd 1 17/09/2021 10:05:36

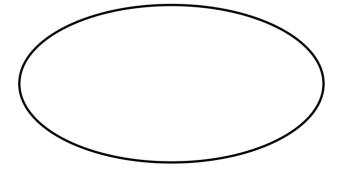
# Animals including Humans: Circulatory System Knowledge Mat

Sticky Knowledge	about the circulatory system	<ul> <li>Your heart will beat about 115,000 times each day. Your heart pumps about 2,000 gallons of blood every day.</li> </ul>	☐ The entire trip around your body only takes blood about	20 seconds in total. Blood is what is used to transport oxygen, waste, nutrients, and more throughout the body.	☐ The circulatory system includes the heart, blood vessels and blood, and is vital	for fighting diseases and maintaining proper	Temperature.  ☐ Because your heart is crucial to your survival, it's important	to keep it healthy with a well-balanced diet and exercise, and avoid things that can damage it like smoking	☐ Your heart affects every part of your body. That also means	emotional well-being can affect your heart.
Interesting Book	The section is a section of the sect		BOY	blackman	Important facts to know by the end of the circulatory system	Identify and name the main	system.  Know the function of the heart,	<ul> <li>know the impact of diet,</li> <li>exercise, drugs and life style on health</li> </ul>	Know the ways in which     nutrients and water are     transported in animals,	Know who William Harvey was.
Subject Specific Vocabulary	Blood vessels are a series of tubes inside your body. They move blood to and from your heart.	A drug is a chemical that is not food and that affects your body. Some drugs are given to people by doctors to make them healthy.	The atriums are the two upper most chambers of the heart. Blood is pushed from the atriums to the ventricles.	Was the first person to accurately describe the function of the heart and the circulation of blood around the body.	The blood circulatory system (cardiovascular system) delivers nutrients and oxygen to all cells in the body.	An ultrasound machine uses sound waves to take pictures of the inside of the body.	A cardiologist is a doctor with special training and skill in finding, treating and preventing diseases of the heart and blood vessels.	Capillaries are very thin blood vessels. They bring nutrients and oxygen to tissues and remove waste products.	Your heart has to push so much blood through your body that you can feel a little thump in your arteries each time the heart beats	The ventricles are the two lower chambers in the heart.
Subject Sp	blood vessels	drugs	atriums	William Harvey	Cardiovascular	ultrasound	cardiologists	capillaries	pulse	ventricles

Ryefield Year 6 Science Inners.indd 2 17/09/2021 10:05:37

National curriculum	Living things: body systems
Year 5	describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
Year 5	describe the life process of reproduction in some plants and animals
Year 5	describe the changes as humans develop to old age
Year 6	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
Year 6	give reasons for classifying plants and animals based on specific characteristics
Year 6	identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
Year 6	recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
Year 6	describe the ways in which nutrients and water are transported within animals, including humans

### Mind Map



Before starting the topic, add what you already know.

Ryefield Year 6 Science Inners.indd 3 17/09/2021 10:05:37

### What is this picture telling me?



How many chambers does the human heart have?	Answer
What are the three different types of blood vessels in your body called?	Answer
What does blood do?	Answer
Why is exercise important?	Answer
How does nutrition affect our brain and behaviour?	Answer
Why is water important in keeping our bodies healthy?	Answer

Ryefield Year 6 Science Inners.indd 4 17/09/2021 10:05:37

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Ryefield Year 6 Science Inners.indd 5 17/09/2021 10:05:37

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Ryefield Year 6 Science Inners.indd 6 17/09/2021 10:05:37

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Ryefield Year 6 Science Inners.indd 7 17/09/2021 10:05:37

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

Ryefield Year 6 Science Inners.indd 8 17/09/2021 10:05:37

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Ryefield Year 6 Science Inners.indd 9 17/09/2021 10:05:37

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Ryefield Year 6 Science Inners.indd 11 17/09/2021 10:05:37

Show what you know. Recall two things on the topic.	Connect - can you link this to one more thing that you know.

Ryefield Year 6 Science Inners.indd 12 17/09/2021 10:05:37

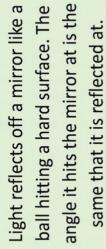
Science - Autumn Term 2		
	Light	
Describe the way light travels.	Answer	
What is a shadow?	Answer	
What is a rainbow?	Answer	
What happens to a beam of light when it hits water?	Answer	
What is a periscope and how does it work?	Answer	
Where does light come from?	Answer	

Ryefield Year 6 Science Inners.indd 13 17/09/2021 10:05:37

### Knowledge Organiser - Light (Science Year 6)

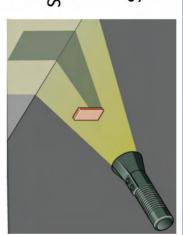
Lig		1	Lig	ang
Definition	To take in.	Imaginary lines used to explain how waves of visible light move.	To cast light back from a surface.	To move in one direction only.
Key Vocabulary	Absorb	Light rays	Reflect	Straight

that light can only travel in a straight line. The light was mostly blocked by the card but some of the light travelled through the holes and you could see it come out the other end.





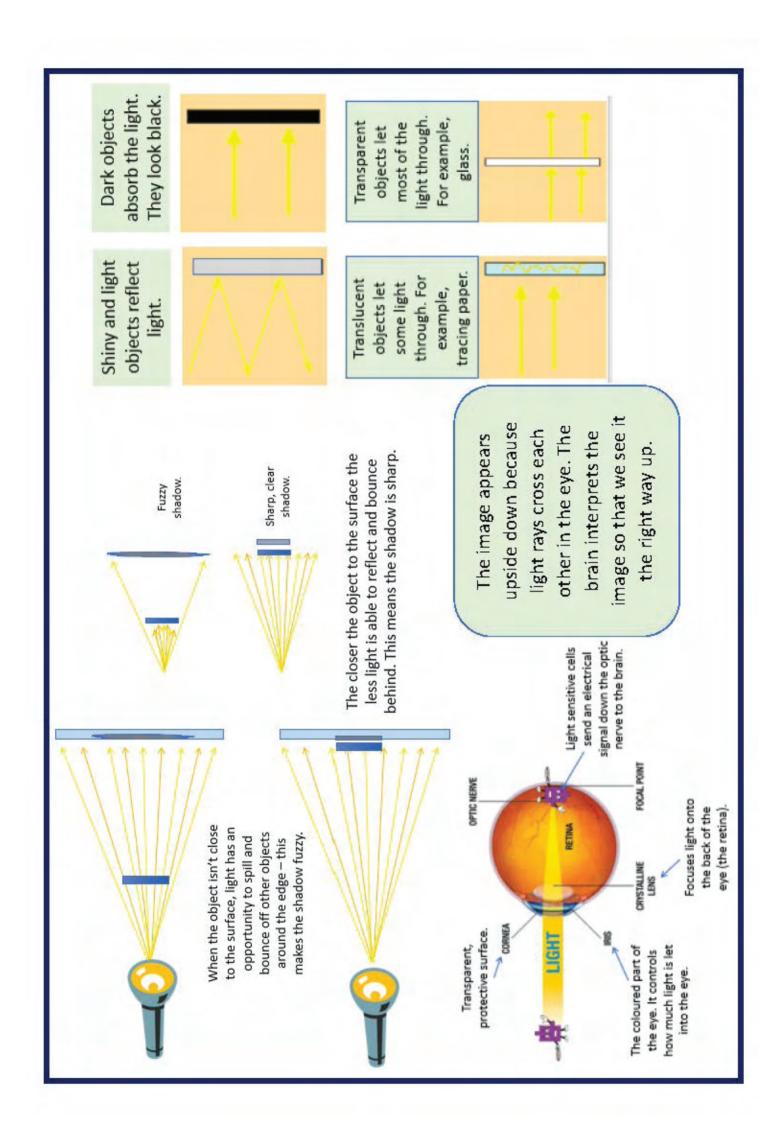
This is because light travels in straight lines and cannot bend around an opaque object in their path. A concentrated light source casts a sharp shadow.



Light travels in straight lines.

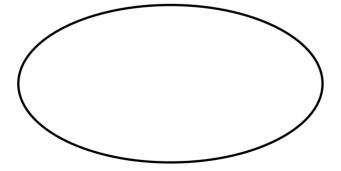
Some objects will form a shadow when light hits them. This is because they block the light.

Shadows are the same shape as the object that casts them.



National curriculum	Light
Year 3	recognise that they need light in order to see things and that the dark is the absence of light
Year 3	notice that light is reflected from surfaces
Year 3	recognise that light from the sun can be dangerous and that there are ways to protect their eyes
Year 3	recognise that shadows are formed when the light from a light source is blocked by a solid object
Year 3	find patterns in the way that the size of shadows changes
Year 6	recognise that light appears to travel in straight lines
Year 6	use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
Year 6	explain that we see things because light ravels from light sources to our eyes or from light sources to objects and then to our eyes
Year 6	use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

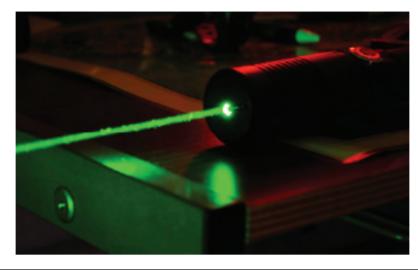
### Mind Map



Before starting the topic, add what you already know.

Ryefield Year 6 Science Inners.indd 16 17/09/2021 10:05:43

### What is this picture telling me?



Describe the way light travels.	Answer
What is a shadow?	Answer
What is a rainbow?	Answer
What happens to a beam of light when it hits water?	Answer
What is a periscope and how does it work?	Answer
Where does light come from?	Answer

Ryefield Year 6 Science Inners.indd 17 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 18 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 19 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 20 17/09/2021 10:05:46

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

Ryefield Year 6 Science Inners.indd 21 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 22 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 23 17/09/2021 10:05:46

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Ryefield Year 6 Science Inners.indd 24 17/09/2021 10:05:46

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.
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Ryefield Year 6 Science Inners.indd 25 17/09/2021 10:05:46

Scienc	e - Spring Term 1
Evolution	on and Inheritance
What does the term evolution mean?	Answer
What are 'offspring'?	Answer
What can we learn from studying fossils?	Answer
In science, what does the term 'inheritance' mean?	Answer
Why do giraffes have long necks?	Answer
How are camels able to survive for long periods in the desert?	Answer

Ryefield Year 6 Science Inners.indd 26 17/09/2021 10:05:46

## Knowledge Organiser – Evolution (Science Year 6)

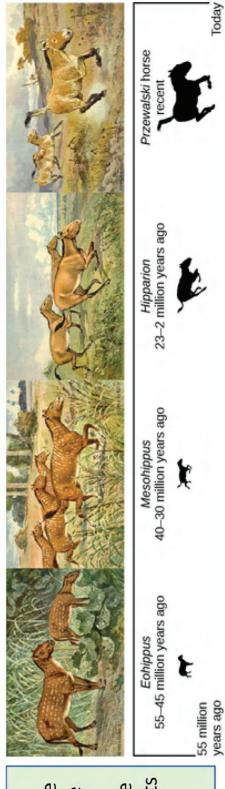
HOLOCENE CONTROLL OF PRESTOCENE CONTROLL OF THE CONTROLL OF THE CONTROLL OF THE CONTROLL OF THE CONTROL OF THE	MOCENE OF CALL OF CHARLES OF CHARLES OF CHARLES OF CALL OF CHARLES	U CRETACEOUS	TRIASSIC TRI	SILVRIAN SIL	PROTEROZOIC  PROTEROZOIC  ARCHEAN  EARTH-FORMS 4,6 BLLLOW
Definition	Gradual process in which something changes.	Process of changing.	Characteristics Qualities that make things different to other things.	A difference or change.	Passing of characteristics from parents to offspring.
Key Vocabulary	Evolution	Adaptation	Characteristics	Variation	Inheritance

Fossils are formed over millions of years and they are trapped in layers of rock.

We can use these layers to find out how old the fossils are and how species have changed over time.

2522 299 318 318 318 443 443 4483 542 542 Similarities and differences between fossils in rocks of different ages help us to see how animals have evolved over billions of years.

A four-toed hoof
evolved into a single
hoof, more suitable
for running.
A modern-day horse
is much taller than its
original ancestor.



Ryefield Year 6 Science Inners.indd 27 17/09/2021 10:05:46

When living things reproduce, they pass on characteristics to their offspring.

When offspring have similar characteristics to their parents, we say that they are inherited

Food choices characteristics Inherited Eye colour

characteristics Environmental

Being good at sport

Hair colour

Height

Liking football

Why do species change over time?

variations that result from differences in the genetic Variation - Within a species, there are natural material.

an individual more able to survive than other members Adaptation - Sometimes a mutation occurs that makes of the group.

Selection - Organisms with particularly advantageous adaptations are most likely to survive long enough to

reproduce.

Before selection

Natural selection

The better adapted members of the survive...Survival of the fittest. species to the environment

After selection

The survivors pass on their genes to their offspring.

Final population

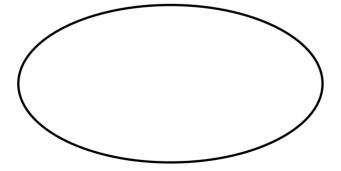
foot pads to Has ridged nsulation. Each hair is hollow camouflage. claws to catch Has white Has sharp teeth and adapted to their environment? How have these animals just under the skin to Many blood vessels cool the blood. Can store hump. Has long legs to keep body away from hot sand. periods without Can go for long keep out sand. keep out sand. eyelashes to Has long nostrils to Can close

Ryefield Year 6 Science Inners.indd 28

and eat prey.

National curriculum	Evolution
Year 3	recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
Year 3	recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
Year 3	identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to e volution

### Mind Map



Before starting the topic, add what you already know.

Ryefield Year 6 Science Inners.indd 29 17/09/2021 10:05:47

### What is this picture telling me?



What does the term evolution mean?	Answer
What are 'offspring'?	Answer
What can we learn from studying fossils?	Answer
In science, what does the term 'inheritence' mean?	Answer
Why do giraffes have long necks?	Answer
How are camels able to survive for long periods in the desert?	Answer

Ryefield Year 6 Science Inners.indd 30 17/09/2021 10:05:4

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Ryefield Year 6 Science Inners.indd 31 17/09/2021 10:05:47

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Ryefield Year 6 Science Inners.indd 32 17/09/2021 10:05:47

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Ryefield Year 6 Science Inners.indd 33 17/09/2021 10:05:47

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

Ryefield Year 6 Science Inners.indd 34 17/09/2021 10:05:47

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Ryefield Year 6 Science Inners.indd 35 17/09/2021 10:05:47

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Ryefield Year 6 Science Inners.indd 36 17/09/2021 10:05:47

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Ryefield Year 6 Science Inners.indd 37 17/09/2021 10:05:47

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

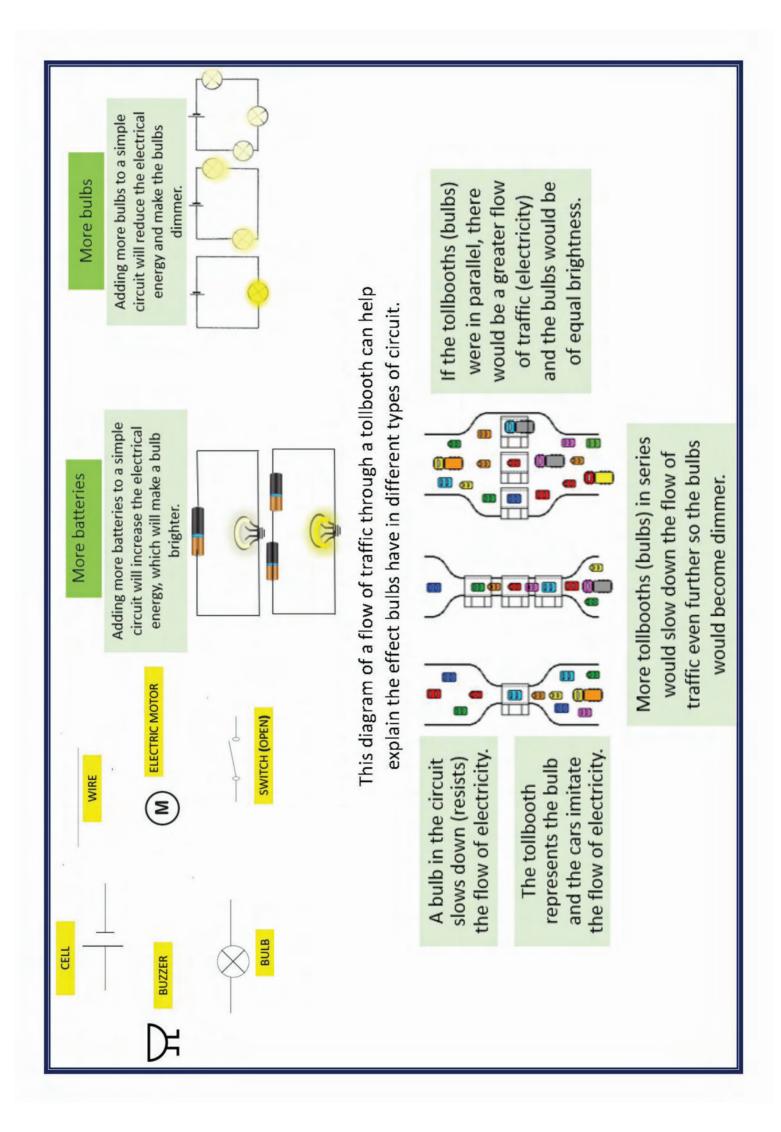
Ryefield Year 6 Science Inners.indd 38 17/09/2021 10:05:48

Science - Spring Term 2		
Electricity		
What is a series circuit?	Answer	
What does this symbol mean?	Answer	
What is an electrical insulator and how are they useful?	Answer	
What is a parallel circuit?	Answer	
Why are some wires thicker than others?	Answer	
Describe a situation where electricity could be dangerous.	Answer	

Ryefield Year 6 Science Inners.indd 39 17/09/2021 10:05:48

### chemical energy and change it to electrical energy. **Batteries store** Increasing the battery voltage does two things: • it increases the energy supplied. • it drives the charge around the circuit at a greater Voltage is the electrical force that causes electrons to flow around a circuit. It is measured in units called volts (V). The flow of electrons in a circuit is known as a current. ICA CCADICTAGSBARATOR MANSANESE OXIDE DATHODE PRESSURE ETPANSION SEAL A cell is the basic unit that produces electricity, POSITIVE CONVECTION NEGATIVE TERMINAL CURFERT RICK UP PROTECTIVE CAP OUTER CASING and a battery has two or more cells. ZINC AND DE Knowledge Organiser – Electricity (Science Year 6) electrons around a circuit parallel circuit are connected Components connected in a acress each other. Electrons are small flow when there negative electric current can only particles with a is a complete An electric charge. circuit. components attached to each other, like A circuit connected in series contains current flow through a holding hands in a circle. for closing an electric Reducing the electric Force of an electrical Point of connection Flow of electrical Definition material current. charge. circuit. Vocabulary Resistance Terminal Voltage Current Key

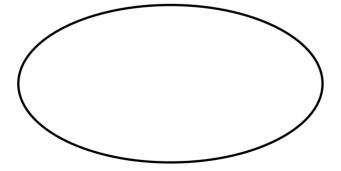
Ryefield Year 6 Science Inners.indd 40 17/09/2021 10:05:48



Ryefield Year 6 Science Inners.indd 41 17/09/2021 10:05:48

National curriculum	Electricity
Year 4	identify common appliances that run on electricity
Year 4	construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
Year 4	identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
Year 4	recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
Year 4	recognise some common conductors and insulators, and associate metals with being good conductors
Year 6	associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
Year 6	compare and give reasons for variations in how components func-tion, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
Year 6	use recognised symbols when representing a simple circuit in a diagram

## Mind Map



Before starting the topic, add what you already know.

Ryefield Year 6 Science Inners.indd 42 17/09/2021 10:05:48

# What is this picture telling me?



What is a series circuit?	Answer
What does this symbol mean?	Answer
What is an electrical insulator and how are they useful?	Answer
What is a parallel circuit?	Answer
Why are some wires thicker than others?	Answer
Describe a situation where electricity could be dangerous.	Answer

Ryefield Year 6 Science Inners.indd 43 17/09/2021 10:05:48

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Ryefield Year 6 Science Inners.indd 44 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 45 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 46 17/09/2021 10:05:49

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

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Ryefield Year 6 Science Inners.indd 48 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 49 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 50 17/09/2021 10:05:49

Show what you know. Recall two things on the topic.	Connect - can you link this to one more thing that you know.

Ryefield Year 6 Science Inners.indd 51 17/09/2021 10:05:49

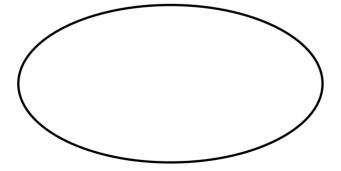
Science	e - Summer Term
Mi	cro-organisms
There are seven life processes that all living things do.	Answer
Name as many as you can.	
What is a microbe?	Answer
Explain what a microscope is used?	Answer
What is penicillin?	Answer
Name a way in which microbes are useful to us.	Answer
Name a way in which microbes are harm-ful.	
Do we need microbes to survive? Explain your answer.	Answer

Ryefield Year 6 Science Inners.indd 52 17/09/2021 10:05:49

Ryefield Year 6 Science Inners.indd 53 17/09/2021 10:05:49

National curriculum	Living things
Year 5	describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
Year 5	describe the life process of reproduction in some plants and animals
Year 5	describe the changes as humans develop to old age
Year 6	describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
Year 6	give reasons for classifying plants and animals based on specific characteristics
Year 6	associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
Year 6	recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
Year 6	describe the ways in which nutrients and water are transported within animals, including humans

## Mind Map



Before starting the topic, add what you already know.

Ryefield Year 6 Science Inners.indd 54 17/09/2021 10:05:49

## What is this picture telling me?



There are seven life processes that all living things do.	Answer
Name as many as you can.	
What is a microbe?	Answer
Explain what a microscope is used?	Answer
What is penicillin?	Answer
Name a way in which microbes are useful to us.  Name a way in which microbes are harmful.	Answer
Do we need microbes to survive? Explain your answer.	Answer

Ryefield Year 6 Science Inners.indd 55 17/09/2021 10:05:49

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Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.

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Ryefield Year 6 Science Inners.indd 60 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 61 17/09/2021 10:05:49

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Ryefield Year 6 Science Inners.indd 62 17/09/2021 10:05:49

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.
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Ryefield Year 6 Science Inners.indd 66 17/09/2021 10:05:50

Show what you know.  Recall two things on the topic.	Connect - can you link this to one more thing that you know.
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# Science End of Year



**Assessment** 

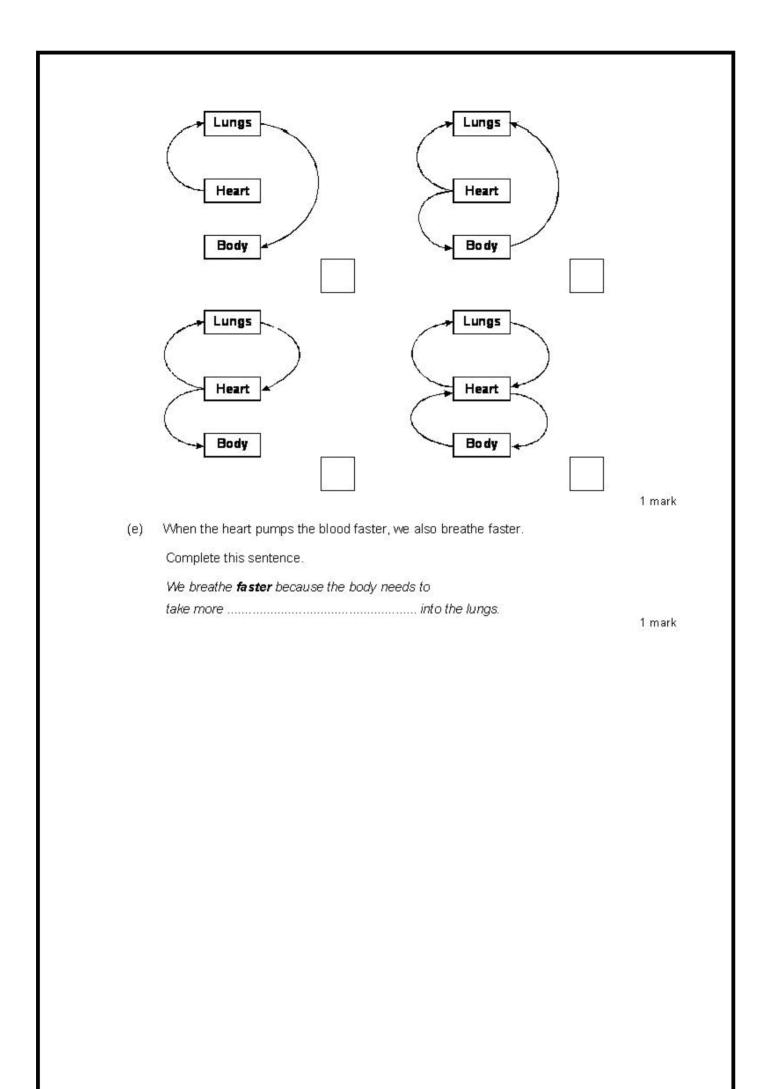
Ryefield Year 6 Science Inners.indd 68 17/09/2021 10:05:50

100	d and health				
(a)	Damon has a balance	d diet. It helps h	nim to keep healthy.		
	Which of the following	best describes	a balanced diet?		
·	Tick <b>ONE</b> box.				
	eating mostly fruit and vegetables		eating foods from different food groups		
	taking vitamin pills		not eating sweets		
					1 ma
(b)	Damon has some idea	as about his bal	anced diet.		
	Write <b>true</b> or <b>false</b> nex	t to each idea b	pelow.		
4					
		-2 50 50		Y	
		A balance	d diet will help		
		my hones	arow strong	1	
		my bones	grow strong.	1.0	
		my bones	grow strong.		
		my bones	grow strong.		
		my bones	grow strong.		
		my bones	A balanced diet gives	sme	
		my bones	A balanced diet gives	ed.	
		my bones	A balanced diet gives	ed.	
		my bones	A balanced diet gives	ed.	
		diet means I di	A balanced diet gives all the nutrients I ne	ed.	
		my bones	A balanced diet gives all the nutrients I ne	ed.	
	need to exe	diet means I di	A balanced diet gives all the nutrients I ne onot althy.	ed.	

Ryefield Year 6 Science Inners.indd 69 17/09/2021 10:05:50

	circulatory system	os.
(a)	Some children are learning about blood and how it flows around the human bod	у.
	Blood flows faster when the heart pumps faster.	
	Which <b>TWO</b> of the following make the heart pump <b>fastest</b> ?	
7.	Tick <b>TWO</b> boxes.	
The same of the sa		
	swimming resting	
	stretching running	
		1 mar
(b)	What do we measure to find out how fast the heart is pumping?	
40		
		1 mar
(c)	What is the heart made from?	
00400	Tick <b>ONE</b> box.	
· Co		
	muscle blood	
	bone skin	
		1 mar
(d)	The heart pumps the blood.	os storeth
	Which diagram best shows the path of the blood as it circulates?	
	Tick <b>ONE</b> box.	
4		

Ryefield Year 6 Science Inners.indd 70 17/09/2021 10:05:50



Ryefield Year 6 Science Inners.indd 71 17/09/2021 10:05:50

1100	shadow	
(a)	Alex looks at a tree on a sunny day.	
	Tick <b>ONE</b> box to show where the Sun was when it caused this shadow of the tree.	
(b)	Explain why a shadow forms behind the tree.	1 mai
4		1 mai
(c)	Alex looks at the shadow of the tree at different times of the day. He observes that the shadow is in a different position each time.	
	The position of the shadow changes because the Sun appears to move across the sky.	
	Tick <b>One</b> box to explain why the Sun appears to move across the sky each day.	
60		
	The Earth orbits the Sun. The Earth spins on its axis.	
	The Sun orbits the Earth. The Sun spins on its axis.	
		1 mai
	Alex looks at the tree's shadow every two hours. He draws the position of the	
(d)	shadows on the ground.	

Ryefield Year 6 Science Inners.indd 72 17/09/2021 10:05:50

North  12 pm 2 pm 4 pm  Tree 6 pm  At 8 pm there is no shadow of the tree on the ground.  Why is there no shadow of the tree on the ground at 8 pm?
8 am Tree 6 pm  At 8 pm there is no shadow of the tree on the ground.
8 am Tree 6 pm  At 8 pm there is no shadow of the tree on the ground.
At 8 pm there is no shadow of the tree on the ground.
At 8 pm there is no shadow of the tree on the ground.
Why is there no shadow of the tree on the ground at 8 pm?
1 mark
(e) Use Alex's diagram to estimate what time the shadow was pointing north.
1 mark

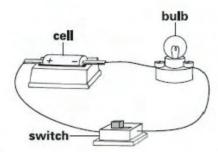
Ryefield Year 6 Science Inners.indd 73 17/09/2021 10:05:50

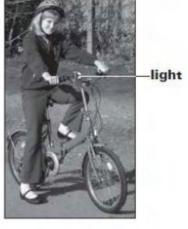
### Q4.

#### Road safety

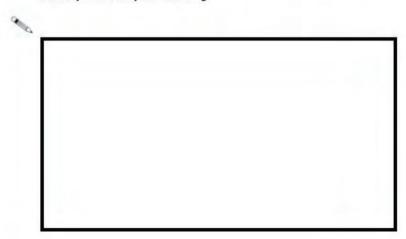
(a) Julia has a bike with a light.

The picture below shows the circuit in Julia's light.





(i) Draw a circuit diagram to show the circuit in Julia's light. Use symbols in your drawing.



2 marks

(ii) What should Julia add to her circuit to make the light brighter?



1 mark

(b) It is important for people riding bikes to be seen in the dark. The pictures below show what two jackets look like when Julia shines a torch on each of them.

Ryefield Year 6 Science Inners.indd 74 17/09/2021 10:05:50





Jacket A

Jacket B

Julia can see jacket B better than jacket A.

Explain what happens to the light from the torch for Julia to see jacket  ${\bf B}$  better than jacket  ${\bf A}_{\cdot}$ 

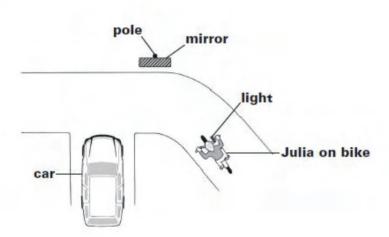


1 mark

(c) Julia's house is near a bend in the road. There is a mirror on a pole so car drivers can see people coming round the bend.

Draw **TWO** arrows on the diagram below to show the direction light travels for the car driver to see the light on Julia's bike.





2 marks

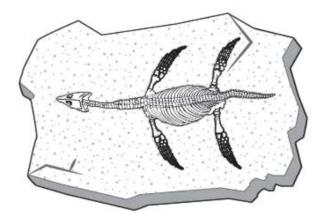
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#### Q5.

#### Sea creature

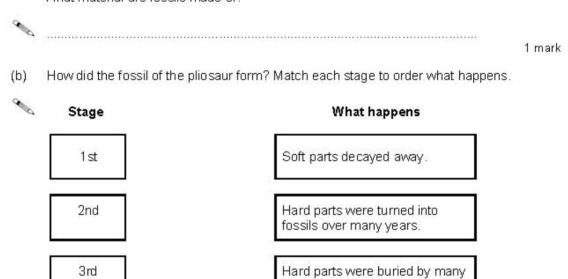
(a) The picture shows the fossil of a pliosaur.

These animals lived in the sea a long time ago.



What material are fossils made of?

4th



The pliosaur died and sank to the sea bed.

layers of sand.

1 mark

(c) Very few animals become fossils after they die.

Explain why very few animals become fossils after they die.

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	2		1 mark
(d)	Fossils can give a lot of information about a	nimals that lived in the past.	
	Write true or false for each statement about	t the pliosaur fossil.	
	The pliosaur's fossil could give us information about		
		True or false?	
	how long ago the animal lived.		
	what the animal ate.		
	what the animal smelt like.	######################################	
	what colour the animal's eyes were.	sionionan waranni sioni	
	how large the animal was.		2 marks
Q6. Bird	ds in their environments		
(a)	Many water birds have webbed feet.		
	webb	ed foot	
	Why are webbed feet useful to water birds?		
<b>%</b>	X .		1 mark

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Birds have different shaped beaks. (b) The shape of the bird's beak is suited to the food the bird eats. Draw THREE lines to match each beak to the food the bird eats. Beak animals buried small seeds meat torn from Food and berries deep in mud prey 1 mark There is a law in England to stop people taking eggs from the nests of wild birds. It is important for wild birds that people stop taking their eggs. Tick **ONE** box to show why. because there would because birds' eggs be no food for foxes break easily so people do not hurt so there are enough themselves taking eggs birds to reproduce 1 mark Q7. Circuits and sensors Class 6D makes different circuits using the same type of bulbs, motors with fans and cells (batteries). Tick ONE box to show the circuit in which the bulb or bulbs are brightest. (i) circuit 1 circuit 2 circuit 3 1 mark

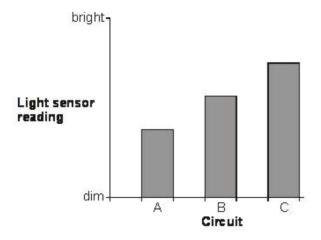
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(c) Each of the circuits made by class 6D has one cell.  Complete the sentence below to explain the effect on the bulbs of adding a second cell to circuit 1.  The bulbs will		
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The bulbs will 1 ma	Complete the sentence below to explain cell to circuit 1.	n the effect on the bulbs of adding a second
	The bulbs will	

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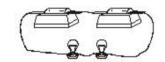
(d) Class 6D made three new circuits. They used a light sensor to measure the brightness of one of the bulbs in each circuit.

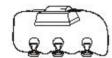
The sensor gave the results on the graph below.

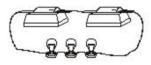


1 mark

Write  ${\bf A}, {\bf B}$  or  ${\bf C}$  next to each circuit below to show which circuit gave each light sensor reading on the graph.







A.C.

circuit .....

circuit .....

circuit .....

1 mark