

							1	1	1
1. Draw and label	2. How can is the	3. What is	4. Log in to	5. Describe the	6. Describe and	7. Watch the core	8. Describe the	9. Compare	10. Describe and
a plant and animal	magnification of a	diffusion, osmosis	Educake and	process of cell	explain the	practical video	enzyme structure,	aerobic and	explain the reflex
cell. Describe the	microscope	and active	complete 40	division by	functions of the	and make notes.	the lock and key	anaerobic	arc. (Name the
function of the	calculated? How	transport?	questions on	mitosis.	enzymes in the	Pearson Edexcel	theory and what	respiration in	cells)
cell organelles	can the real size of		topics 2 – Cells		digestive system.	<u>(9-1) GCSE</u>	happens when an	plants and	
	a magnified image		and control.	Describe the life		Combined Science	enzyme	animals.	Describe the
	be calculated?			cycle of a virus.		GCSE Biology -	denatures.		structure of the
						field work			brain.
						techniques			
11. Draw a single	12. Describe the	13. Watch the core	14. Explain the	15. Complete 40	16. Describe how	17. Describe and	18. Describe the	19. Watch the core	20. What are the
neurone and	structure and	practical video	terms: dominant,	questions on	the probability of	explain the 4	symptoms and	practical video	stages of genetic
describe the	function of DNA.	and make notes.	recessive,	Educake on topic	a characteristic	stages of natural	treatments for	and make notes.	engineering?
adaptations for		Pearson Edexcel	heterozygous,	3 – Genetics	being inherited	selection.	cholera,	Pearson Edexcel	Compare the
the cell to carry	Describe the	(9-1) – GCSE	homozygous,		can be predicted		tuberculosis,	(9-1) GCSE	advantages and
nerve impulses.	stages of protein	Combined Science	allele, gene,		using a punnet		chlamydia, HIV,	Combined Science	disadvantages of
	synthesis.	and GCSE Biology	genome, gamete,		square.		chalara ash	and GCSE Biology	genetic
	synthesist	- Looking at cells	genotype and		square.		dieback and	practical - pH and	modification.
			phenotype.				malaria.	enzymes	modification.
21. Complete 40	22. What is a	23. Describe the	24. Describe and	25. What is a	26.Complete 40	27. Describe and	28. What are the	29. What is a non-	30. What is a stem
questions on	communicable	external body	explain how	placebo and a	questions on	explain how	stages of drug	communicable	cell? What are the
Educake on topic	disease and how	defences to	lymphocytes and	double-blind trial?	Educake on topic 5	vaccines work.	development?	disease? Give	advantages and
4 – Natural		prevent infection.				Describe and	development:	examples and	-
selection and GM	can it be spread?	prevent infection.	phagocytes work.		<ul> <li>Health, disease and developing</li> </ul>			identify their risk	disadvantages of
selection and Givi						explain the evidence for		-	adult stem cells
					medicines.			factors.	and embryonic
24.11	22.14			25 144 11 11		human evolution.			stem cells?
31. How do cancer	32. What are the	33. Describe how	34. Complete 40	35. What is the	36. Why do plant	37. What is	38. Identify 6	39. How do	40. Describe the
cells form? What	factors that affect	the structure of	questions on	structure and	roots need to	transpiration and	hormones found	hormones help	origin and
are the risk factors	the rate of	the leaf is adapted	Educake on topic 6	function of the	absorb water and	translocation?	in the body and	control the blood	function of the
for cancer? How	photosynthesis?	to maximise	<ul> <li>Plant structures</li> </ul>	xylem and	minerals using 2		describe their	glucose levels?	hormones
does cancer	What is the	photosynthesis.	and their	phloem?	different exchange		functions.		involved in the
spread through	equation for		functions.		methods?				menstrual cycle.
the body?	photosynthesis?								
41. Complete 40	42. Compare the	43. Describe the	44. Describe the	45. Describe the	46. Describe the	47.Watch the	48. Describe the	49. What are the	50.Complete the
questions on	advantages and	symptoms and	adaptations of	components of	structure of the	video and take	structure of the 3	short-term effects	exam paper for
Educake on any	disadvantages of	treatments of	exchange surfaces	the blood and	heart.	notes:	blood vessels.	of exercise on the	biology (paper 1)
paper 1 topic.	barrier, hormonal,	diabetes.	to maximise	their functions.		All of Edexcel		body?	- select the
	surgical and		exchange. Give			BIOLOGY Paper 1			correct tier.
	chemical	Describe the	examples of plant			in 30 minutes -			Edexcel GCSE
	contraception	structure and	and animal			GCSE Science			Combined Science
	methods.	function of the	exchange			Revision			Past Papers -
	methous.	eye.	surfaces.			<u>nevision</u>			Revision Science
			Surfaces.						Or
									For separates:
									Edexcel Physics
									Past Papers -
									Revision Science

51. What are the	52. Describe	53. What is the	54. Describe the	55. Describe the	56. Describe the	57. Write a	58. What is the	59. Describe the	60. Describe the
biotic and abiotic	positive and	effect of	processes involved	stages of the	stages of the	method to	function of	structure and	adaptations of 4
factors?	negative impact of	adrenaline on the	in the Carbon	water cycle.	Nitrogen cycle.	investigate the	thyroxine in the	function of the	animal cells to
	humans on	body? Why is this	cycle.			distribution of	body and how is it	respiratory	carry out their
	biodiversity.	important?	- ,			weeds in a field.	controlled?	system.	function.
61. Identify the	62. What are the	63. Compare and	64. Watch the core	65. Describe the	66. Evaluate the	67. What is a	68.Complete 40	69.Watch the core	70. Describe the
conditions in the	classification	contrast a light	practical video	process of	treatments for	transect and when	questions on	practical video	structure and
body that are	groups for all	microscope and	and make notes	selective	coronary heart	should it be used?	Educake on topic 7	and make notes.	function of the
controlled by	living organisms?	an electron	Pearson Edexcel	breeding.	disease.		– home ostasis	Pearson Edexcel	digestive system.
home ostasis.		microscope.	(9-1) GCSE	-		Explain the		(9-1) GCSE	
	How are		Combined Science			process of		Combined Science	
	monoclonal		and GCSE Biology			thermoregulation		& GCSE Biology	
	antibodies		core practical -			in mammals.		core practical -	
	produced?		osmosis in					light and	
			potatoes					photosynthesis	
71.Watch the core	72.Complete 40	73. Compare the 3	74. What are the	75.Watch the core	76. Describe how	77. Describe how	78.Watch the core	79. How can the	80.Complete 40
practical video	questions on	types of	genes that	practical video	to use a light	to extract a	practical video	transmission of	questions on
and make notes.	Educake on topic 8	pathogens.	determine the sex	and make notes.	microscope.	sample of DNA	and make notes.	pathogens be	Educake on topic 9
Pearson Edexcel	<ul> <li>exchange in</li> </ul>		of an offspring in	Pearson Edexcel		from a strawberry.	Pearson Edexcel	reduced?	<ul> <li>Ecosystems and</li> </ul>
<u>(9-1) GCSE</u>	plants and animals		humans?	GCSE Biology Core			<u>(9-1) GCSE Biology</u>		mineral cycles.
Combined Science		Describe how		Practical - testing		What is sexual	Core Practical -		
and GCSE Biology		urine is produced	Describe the	<u>for starch,</u>		and asexual	investigating the		
practical - rate of		in the kidneys.	treatments for	reducing sugars,		reproduction?	<u>effects of</u>		
respiration			kidney failure.	protein and fats			antibiotics		
81. What is the	82. How are	83. What is a	84. Compare	85.What factors	86. What are the	87. Describe the	88. Explain how a	89. What is a stent	90. What is a
word equation for	percentiles used	predator, prey,	mitosis and	can affect the rate	advantages and	causes and effects	root hair cell is	and how does this	fossil?
aerobic and	to track growth	producer,	meiosis.	of transpiration in	disadvantages of	of eutrophication.	adapted to carry	treat CHD?	
anaerobic	and development?	consumer and		a plant?	selective		out its function.		
respiration?		omnivore?			breeding?				
91.Watch the	92.Complete 40	93. Make a mind	94.Complete the	95.Complete the	96.Complete the	97.Complete the	98. Make a mind	99.Complete the	100.Complete the
video and take	questions on	map of the topics	exam paper for	exam paper for	exam paper for	exam paper for	map of the topics	exam paper for	exam paper for
notes:	Educake on any	from paper 2.	biology (paper 4)	biology (paper 4)	biology (paper 4)	biology (paper 1)	from paper 1.	biology (paper 1)	biology (paper 1)
All of Edexcel	paper 2 topic.		<ul> <li>select the</li> </ul>	<ul> <li>select the</li> </ul>	<ul> <li>select the</li> </ul>	- select the		<ul> <li>select the</li> </ul>	- select the
BIOLOGY Paper 2			correct tier.	correct tier.	correct tier.	correct tier.		correct tier.	correct tier.
in 25 minutes -			Edexcel GCSE	Edexcel GCSE	Edexcel GCSE	Edexcel GCSE		Edexcel GCSE	Edexcel GCSE
GCSE Science			Combined Science	Combined Science	Combined Science	Combined Science		Combined Science	Combined Science
Revision			Past Papers -	Past Papers -	Past Papers -	Past Papers -		Past Papers -	Past Papers -
			Revision Science	Revision Science	Revision Science	Revision Science		Revision Science	Revision Science
			Or	Or	Or	Or		Or	Or
			For separates:	For separates:	For separates:	For separates:		For separates:	For separates:
			Edexcel Physics	Edexcel Physics	Edexcel Physics	Edexcel Physics		Edexcel Physics	Edexcel Physics
			Past Papers -	Past Papers -	Past Papers -	Past Papers -		Past Papers -	Past Papers -
			Revision Science	Revision Science	Revision Science	Revision Science		Revision Science	Revision Science