



KS4 Biology Homework

AQA Foundation Tier Trilogy



Create a set of revision notes for the topic that is stated.
Your teacher will provide you with an exam question on that topic during lesson when the homework is complete.

Date set	Topic	CGP Revision guide page number	Evidence
B1 – Cell Biology			
	Cells	11	
	Microscopy	12 & 13	
	Cell differentiation and specialisation	14	
	Chromosomes and mitosis	15	
	Stem cells	16	
	Diffusion	17	
	Osmosis	18	
	Active transport	19	
	Exchanging substances	20 & 21	
B2 - Organisation			
	Cell organisation	24	
	Enzymes and enzymatic reactions	25 & 26	
	Enzymes and digestion	27	
	Food tests	28	
	The lungs	29	
	The circulatory system	30-32	
	Cardiovascular disease	33-34	
	Health and disease	35	
	Risk factors for non-communicable diseases	36	
	Cancer	37	
	Plant cell organisation	38	
	Transpiration and translocation	39-40	

B3 – Infection and response			
	Communicable disease	42	
	Bacterial diseases	43	
	Viral diseases	44	
	Fungal & protest diseases	45	
	Fighting disease	46-48	
	Developing drugs	49	
B4 - Bioenergetics			
	Photosynthesis and limiting factors	50	
	The rate of photosynthesis	51	
	Respiration and metabolism	53	
	Aerobic and anaerobic respiration	54	
	Exercise	55	
B5 – Homeostasis and response			
	Homeostasis	57	
	The nervous system	58	
	Synapses and reflexes	59	
	Reaction time	60	
	The endocrine system	61	
	Controlling blood sugar	62	
	Puberty and the menstrual cycle	63	
	Controlling fertility	64-65	
B6 – Inheritance, variation and evolution			
	DNA	66	
	Reproduction	67	
	Meiosis	68	
	X and Y chromosomes	69	
	Genetic diagrams	70	
	Inherited disorders	71	
	Family tree & embryo screening	72	
	Variation	73	
	Evolution	74	
	Antibiotic resistant bacteria	75-76	

	Selective breeding	77	
	Genetic engineering	78	
	Fossils	79	
	Classification	80	
B7 - Ecology			
	Competition	83	
	Abiotic and biotic factors	84	
	Adaptations	85	
	Food chains	86	
	Using quadrats and transects	87 & 88	
	The water cycle	89	
	The carbon cycle	90	
	Biodiversity and waste management	91	
	Global warming	92	
	Deforestation and land use	93	
	Maintaining ecosystems and biodiversity	94	

If you do not have the CPG book then you can find similar material on Kerboodle and Bitesize.