



KS4 Biology Homework

AQA Higher 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 surfaces	20	
	Exchanging substances	21 & 22	
B2 - Organisation			
	Cell organisation	24	
	Enzymes and enzymatic reactions	25 & 26	
	Enzymes and digestion	27	
	Food tests	29	
	The lungs	30	
	The circulatory system	31-33	
	Cardiovascular disease	34 & 35	
	Health and disease	36	
	Risk factors for non-communicable diseases	37	
	Cancer	38	
	Plant cell organisation	39	

	Transpiration and translocation	40-41	
B3 – Infection and response			
	Communicable disease	43 & 45	
	Fighting disease	46-48	
	Developing drugs	49	
B4 - Bioenergetics			
	Photosynthesis and limiting factors	50	
	The rate of photosynthesis	51	
	Respiration and metabolism	54	
	Aerobic and anaerobic respiration	55	
	Exercise	56	
B5 – Homeostasis and response			
	Homeostasis	58	
	The nervous system	59	
	Synapses and reflexes	60	
	Reaction time	61	
	The endocrine system	62	
	Controlling blood sugar	63	
	Puberty and the menstrual cycle	64	
	Controlling fertility	65	
	Adrenaline and thyroxine	67	
B6 – Inheritance, variation and evolution			
	DNA	68	
	Reproduction	69	
	Meiosis	70	
	X and Y chromosomes	71	
	Genetic diagrams	72 & 73	
	Inherited disorders	74	
	Variation	75	
	Evolution	76	
	Selective breeding	77	
	Genetic engineering	78	
	Fossils	79	
	Antibiotic- resistant bacteria	80	

	Classification	81	
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.