

Revision Checklist: GCSE AQA Biology (Higher Tier)

1
2
3
4
5

No understanding

Exam-ready

1. CELL BIOLOGY

Rate topics 1 to 5

a.	Eukaryotes & prokaryotes	
b.	Animal & plant cells	
c.	Cell specialisation	
d.	Microscopy	
e.	Culturing microorganisms	
f.	The cell cycle	
g.	Stem cells	
h.	Diffusion	
i.	Exchange surfaces	
j.	Osmosis	
k.	Active transport	

2. ORGANISATION

Rate topics 1 to 5

a.	Cells, tissues, organs & systems	
b.	Enzymes	
c.	Human digestive system	
d.	The lungs	
e.	The heart	
f.	Blood vessels	
g.	Blood	
h.	Coronary heart disease	
i.	Health & disease	
j.	Risk factors for non-communicable diseases	
k.	Cancer	
l.	Plant tissues	
m.	Transpiration & translocation	
n.	Adaptations of plant cells	
o.	Rate of transpiration	

3. INFECTION & RESPONSE

Rate topics 1 to 5

a.	Communicable diseases	
b.	Viral diseases	
c.	Bacterial diseases	
d.	Fungal diseases	
e.	Protist diseases	
f.	Human defence systems	
g.	Vaccination	
h.	Antibiotics & painkillers	
i.	Discovery of drugs	
j.	Drug tests & trials	
k.	Monoclonal antibodies	
l.	Plant diseases	
m.	Plant defences	

4. BIOENERGETICS

Rate topics 1 to 5

a.	Photosynthesis	
b.	Rate of photosynthesis	
c.	Uses of glucose	
d.	Aerobic & anaerobic respiration	
e.	Body's response to exercise	
f.	Metabolism	

PRACTICALS

Rate topics 1 to 5

RP 1:	"Make use of a light microscope to observe, draw and label plant and animal cells."	
RP 2:	"Investigate the effect of antibiotics or antiseptics on the growth of bacteria in agar plates and measure zones of inhibition."	
RP 3:	"Investigate the effect of different concentrations of salt or sugar solutions on the mass of plant tissue."	
RP 4:	"Make use of reagents to test for the presence of different carbohydrates, lipids and proteins."	
RP 5:	"Investigate the effect of pH on the rate of reaction of amylase."	
RP 6:	"Investigate the effect of light intensity on the rate of photosynthesis of an aquatic plant."	