



Year 9 Annual Exam for Biology

5B – Cells

Eukaryotic cell structure	
Specialised cells	
Prokaryotic cell structure	
Using a microscope	
Calculating magnification	
Diffusion	
Surface area:volume ratios	

6B – Organ Systems (The digestive system)

Cells, tissues, organs and organ systems	
Chemicals in food	
Testing food samples for starch, sugar and protein	
Function of organs in the digestive system	
Enzymes	
Effect of pH and temperature on enzymes	

7B – Organ Systems (Exchange and transport systems)

Structure of the heart	
Structure and function of the three types of blood vessel	
Components of the blood	
Structure of the lungs and breathing	
Plant tissues and organs	
Movement of water and sugars through a plant	

8B – Disease

Risk factors for non-communicable disease	
The spread of communicable disease	
Preventing the spread of communicable disease	
The bodies defence against disease (barriers and white blood cells)	
Vaccinations	