CAMBRIDGE HOUSE GRAMMAR SCHOOL REVISION CHECKLIST

YEAR 10: Biology

Winter 2026

Your Winter Examination will assess your knowledge and understanding of the topics listed (below).

Use this checklist to help you with your revision and identify any gaps in your knowledge.

I can:	P	O
Identify structures found in animal and plants cells and state their functions		
State the differences between animal and plant cells		
Give examples of tissues and organs and know the difference between them		
Be able to label the parts of a microscope		
State that chromosomes in the nucleus of a cell are made of DNA and that genes are short pieces of a chromosome. Know that genes code for our characteristics.		
Know the difference between continuous and discontinuous variation. Be able to measure characteristics that show continuous variation eg height and draw a histogram of the data.		
Be able to measure characteristics that show discontinuous variation eg tongue rolling and draw a bar chart of the data.		
State the word equation for aerobic respiration		
Explain the term gas exchange. Explain that gases diffuse into & out of the alveoli.		
List 4 adaptations of the alveoli for gas exchange		
Compare the composition of inhaled and exhaled air and explain any differences		
Carry out an experiment to compare the carbon dioxide concentration of inhaled and exhaled air		
Explain the harmful effects of nicotine, tar, carbon monoxide and passive smoking on health		
Explain how we breathe in and out		
Be able to explain how test foods are carried out for starch, sugar, protein and fat and be able to recall the reagents used for food tests		