







Revision Checklist

Cells and Living Organisms		
Explain the 7 life processes that all living organisms carry out.		
Know that all organisms are made of cells		
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		
Be able to make a slide of onion epidermis		
Be able to view the slide using a microscope at low & high power		
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		
Variation is caused by genes and/or the environment		
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		

Respiration and Gas exchange		
State the word equation for aerobic respiration		
List the uses of energy by living organisms		
Label a diagram of the respiratory system		
Explain the term gas exchange		
Explain that gases <i>diffuse</i> into & out of the alveoli		
List 4 adaptations of the alveoli for gas exchange		
Explain how we breathe in and out		
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		

Nutrition and Digestion		
To test foods for starch, sugar, protein and fat. To recall the reagents used.		