

LIVING ORGANISMS & LIFE PROCESSES & CELLS

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

Diet, Nutrition and Digestion

Name seven food groups, their functions and examples of sources.
Test foods for starch, sugar, protein and fat. Recall the reagents used and the colour changes.
To appreciate the difference in energy content of crisps. To determine loss of energy in the experiment
To understand the term a balanced diet. To appreciate energy requirements for different people.
To understand the process of digestion. To appreciate what occurs in each part of the digestive system.
To understand the role of enzymes in digestion

