

Review B2.4 Organisms & their environment

<i>Can you...?</i>	😊	😐	😞
B2.4.1 Distribution of organisms			
State that living organisms form communities and understand the relationships within and between these communities			
Identify six physical factors that may affect organisms			
Suggest reasons for the distribution of living organisms in a particular habitat			
Evaluate methods used to collect environmental data			
Consider the validity of the method used to collect the data, and the reproducibility of the data			
Relate sample size to both validity and reproducibility			
Recognise and terms 'mean' 'median' and 'mode'			

Review B2.5 Proteins – functions and uses

<i>Can you...?</i>	😊	😐	😞
B2.5.1 Proteins			
Describe the structure of proteins as a chain of amino acids folded into a specific shape			
Identify four types of proteins			
Define the term 'catalyst'			
Describe enzymes as biological catalysts			
B2.5.2 Enzymes			
Relate the shape of an enzyme to its function			
Describe how high temperatures affect enzymes			
Describe how enzymes work at different pH values			
Describe examples of enzymes that work outside of body cells, such as digestive enzymes, including details of where they are produced, where they go, and what reactions they catalyse			
Describe the function and sites of production of amylase, protease enzymes and lipase enzymes			
Relate the acidic conditions in the stomach to the enzymes produced there			
Outline the role of bile, produced by the liver, in digestion of food			
Relate the pH of bile to the action of enzymes in the small intestine			
Describe two examples of enzymes that are produced by microorganisms that can be used in products found in the home			
Describe three examples of enzymes produced by microorganisms that are used in the manufacture of foods and food additives			
Evaluate the advantages and disadvantages of using enzymes in the home and industry, in terms of reaction conditions, rates of reaction and costs			