

Standard Grade Biology **Animal Survival**

1. The Need for Food

Checklist Grade

At the end of this topic you should be able to:

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|--|--------------------------|---------|
| (a) explain in simple terms why animals need food. | <input type="checkbox"/> | General |
| (b) state the chemical elements present in carbohydrates, proteins and fats. | <input type="checkbox"/> | General |
| (c) describe the simple structure of carbohydrates, proteins and fats in terms of simple sugars, amino acids, fatty acids and glycerol. | <input type="checkbox"/> | General |
| (d) state that digestion is the breakdown of large particles of food into smaller particles to allow absorption into the blood through the small intestine wall. | <input type="checkbox"/> | General |
| (e) explain that digestion involves the breakdown of insoluble food substances to soluble food substances. | <input type="checkbox"/> | Credit |
| (f) describe the role of different types of teeth in the mechanical breakdown of food in the mammals chosen. | <input type="checkbox"/> | General |
| (g) identify in a diagram/model the main parts of the alimentary canal and organs. | <input type="checkbox"/> | General |
| (h) state the sites of production of the main digestive juices in a mammal. | <input type="checkbox"/> | Credit |
| (i) describe the effects of peristalsis. | <input type="checkbox"/> | General |
| (j) explain the mechanism of peristalsis. | <input type="checkbox"/> | Credit |
| (k) explain how the contractions of the stomach help in the chemical breakdown of food. | <input type="checkbox"/> | General |
| (l) state that different enzymes are responsible for the breakdown of fats, carbohydrates and proteins. | <input type="checkbox"/> | General |
| (m) give an example of amylase, protease and lipase with substrates and products. | <input type="checkbox"/> | Credit |
| (n) explain how the structure of the small intestine is related to its function. | <input type="checkbox"/> | General |
| (o) explain how the villi and associated structures are adapted for absorption and transport of food. | <input type="checkbox"/> | Credit |
| (p) describe the role of the large intestine in water reabsorption and elimination. | <input type="checkbox"/> | General |

Homework

End of Topic Test