

90929



Tick this box if you have NOT written in this booklet

Level 1 Biology 2021

90929 Demonstrate understanding of biological ideas relating to a mammal(s) as a consumer(s)

Credits: Three

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of biologica ideas relating to a mammal(s) as a consumer(s).	Demonstrate in-depth understanding of biological ideas relating to a mammal(s) as a consumer(s).	Demonstrate comprehensive understanding of biological ideas relating to a mammal(s) as a consumer(s).

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–8 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (
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). This area may be cut off when the booklet is marked.

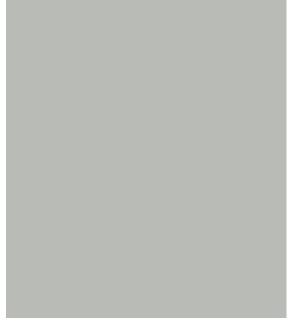
YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

QUESTION ONE: PHYSICAL AND CHEMICAL DIGESTION

Dige	estion of food in mammals occurs as a result of physical and chemical processes in the digestive em.
	Adapted from: http://chulawired.com/wp-content/uploads/2014/10/Picture3.jpg
man	suss how chemical and physical digestion work together to enable food to be digested efficiently in a nmal.
In y	our answer:
•	describe the purpose of the digestion of food
•	explain how both chewing and enzyme activity contribute to the digestion of food
•	compare and contrast physical digestion and chemical digestion to show how both processes are important in enabling food to be digested efficiently.

QUESTION TWO: TRANSPORTING OXYGEN AND THE PRODUCTS OF DIGESTION

Oxygen (from the lungs) and products of digestion (from the digestive system) are transported around the body of a mammal in the circulation system.



Adapted from: https://reverehealth.com/live-better/how-body-systems-connected/

Discuss how the transport of both oxygen and the products of digestion contribute to the survival of a mammal.

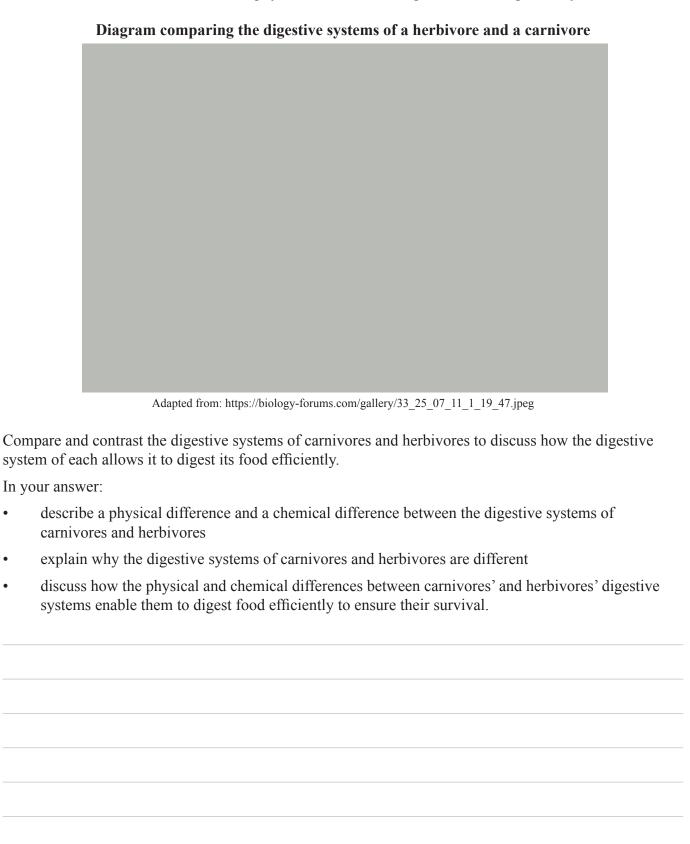
In your answer:

- describe the purpose of transporting oxygen and the products of digestion around the body of a mammal
- explain how the parts of the circulation system enable oxygen and the products of digestion to be transported around the body of a mammal

•	• discuss why the circulation of oxygen and the products of digestion around the body of a mam is essential to its survival.		

QUESTION THREE: HERBIVORES AND CARNIVORES

Mammals can be grouped according to what they eat. Two of these groups are herbivores and carnivores. Herbivores and carnivores differ in the physical and chemical aspects of their digestive systems.



Extra space if required. Write the question number(s) if applicable.

QUESTION NUMBER	write the question number (e) if apphoasie.	
NUMBER		