

Energy Flow, Food Chains & Food Webs

Question Paper

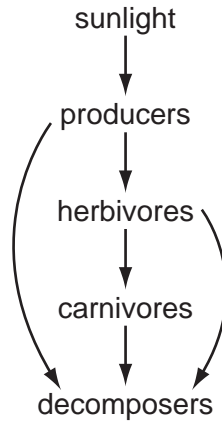
Level	O Level
Subject	Biology
Exam Board	Cambridge International Examinations
Topic	Relationships of organisms with one another and the environment
Sub Topic	Energy flow, food chains & food webs
Booklet	Question Paper 2

Time Allowed: 8 minutes

Score: /6

Percentage: /100

1 The diagram shows the energy flow through a food chain.



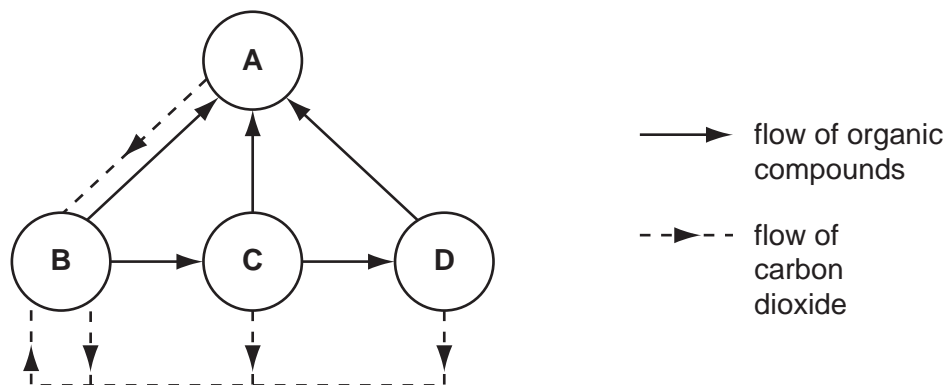
What happens to the energy that has flowed through the food chain?

- A It is lost as heat.
- B It is recycled.
- C It is stored as carbohydrate.
- D It is used to power metabolic processes.

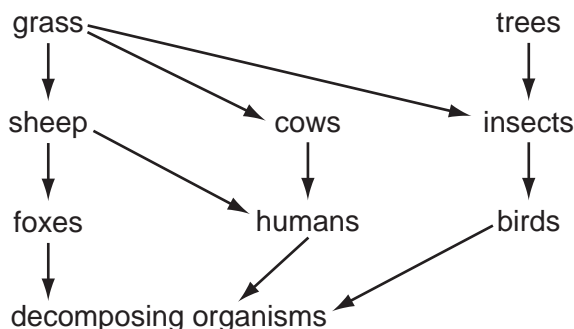
2 The diagram shows the flow of substances within an ecosystem.

The circles represent trophic levels.

Which circle represents herbivores?

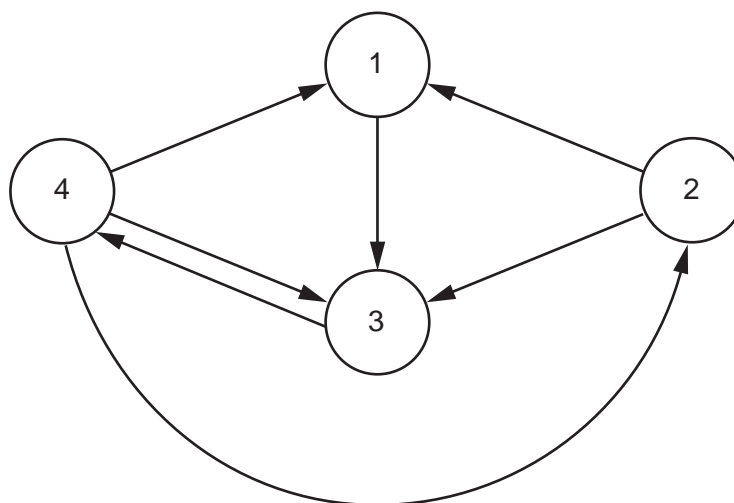


3 The diagram shows part of a food web.



What is the source of energy that enters this food web?

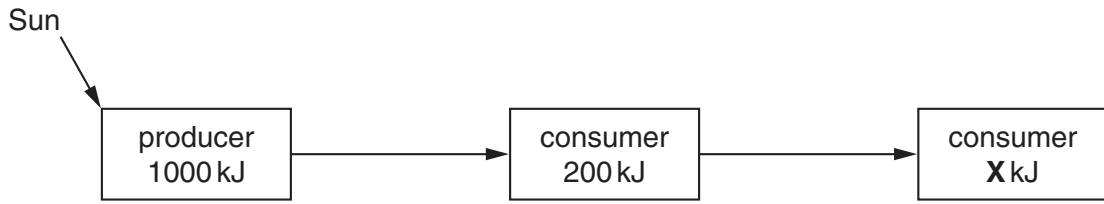
- A decomposing organisms
 - B heat
 - C oxygen
 - D sunlight
- 4 In the diagram, arrows represent the movements of carbon compounds in the carbon cycle. The circles represent carbon compounds in animals, decomposers, plants and the atmosphere.



What is represented by each circle?

	1	2	3	4
A	animals	decomposers	plants	atmosphere
B	atmosphere	plants	decomposers	animals
C	decomposers	animals	atmosphere	plants
D	plants	atmosphere	animals	decomposers

5 The diagram represents the amount of energy transferred from one trophic level to the next.

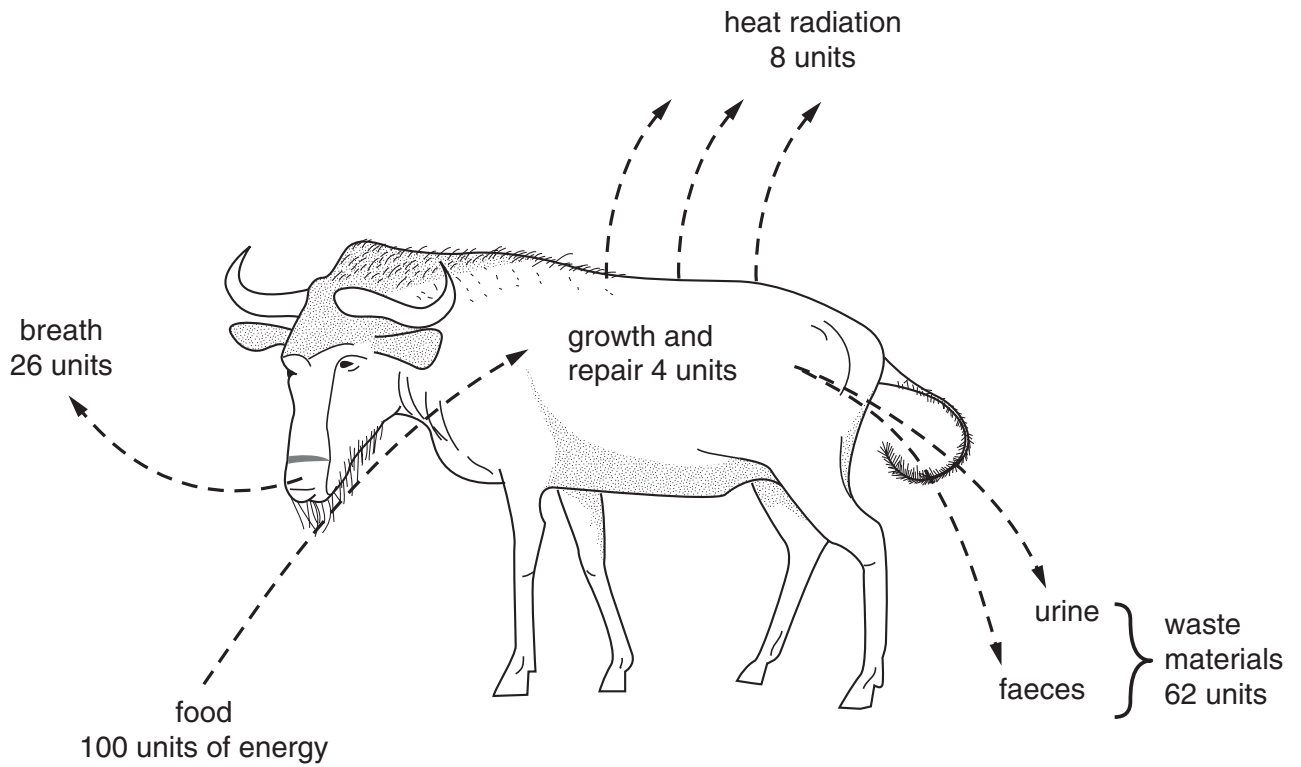


What is the likely value of X?

- A 200 kJ
- B 100 kJ
- C 20 kJ
- D 2 kJ

6 The diagram shows how energy from food is used by a wildebeest.

What percentage of this energy is available to consumers and decomposers?



- A 100
- B 96
- C 66
- D 4