

Name

EXERCISE: FOOD CHAINS AND FOOD WEBS

1. Which statement is NOT correct?

- A Anaerobic respiration releases less energy than aerobic respiration
- B The sun is the principal source of energy input into biological systems
- C Energy flowing through biological systems is recycled
- D Active transport is an energy-consuming process

2. Which processes does NOT result in an overall loss of energy from the organism?

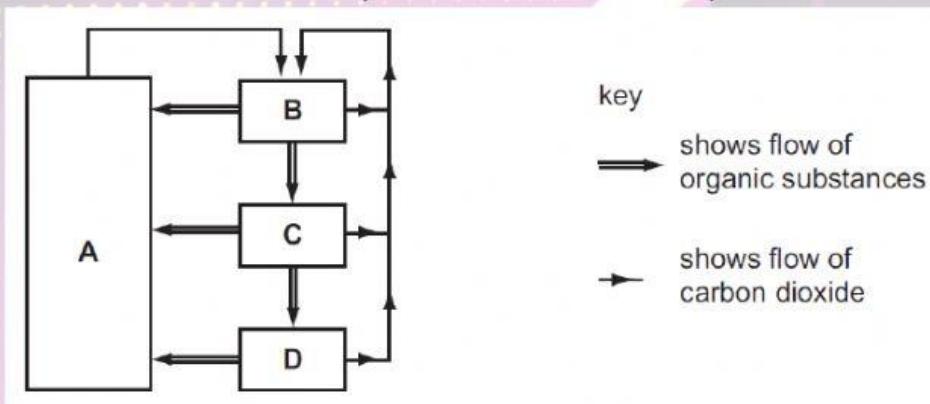
- A A boy running a hundred metres
- B Photosynthesis in a green plant
- C Respiration in an animal
- D The germination of a seed of a flowering plant

3. What eventually happens to ALL the energy in an ecosystem?

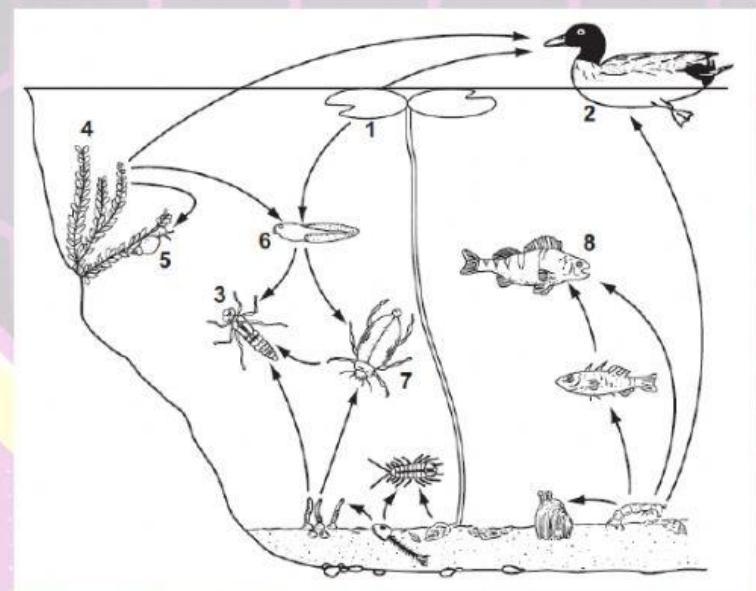
- A It is lost from the system as heat
- B It is recycled by decomposers
- C It is used by the producers
- D It is used by the top carnivores

TOPIC: ECOSYSTEM- PART 1

4. The diagram represents the flow of substances within a balanced ecosystem. The boxes are various trophic levels. Which box represents herbivores?



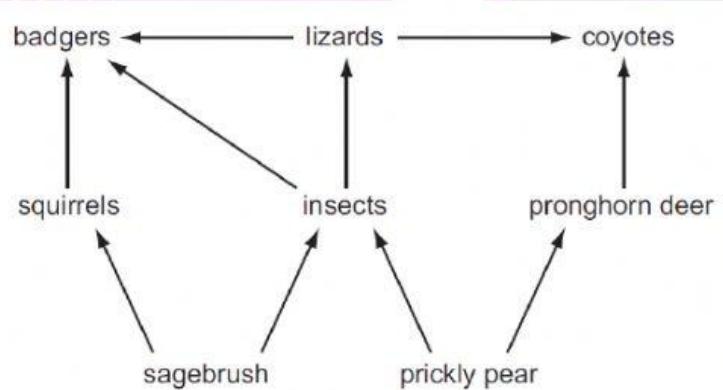
5. The diagram shows a food web in a freshwater pond. Which of the organisms is a producer, a herbivore or a carnivore?



	Producer	Herbivore	Carnivore
A	1	6	7
B	2	4	5
C	4	2	6
D	7	3	8

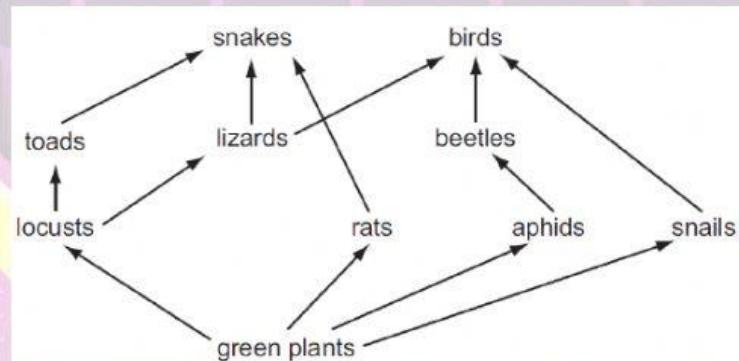
TOPIC: ECOSYSTEM- PART 1

6. The diagram shows a food web from an ecosystem. If the population of insects decreases, which other population will decrease the most?



- A Badgers
- B Lizards
- C Sagebrush
- D Squirrel

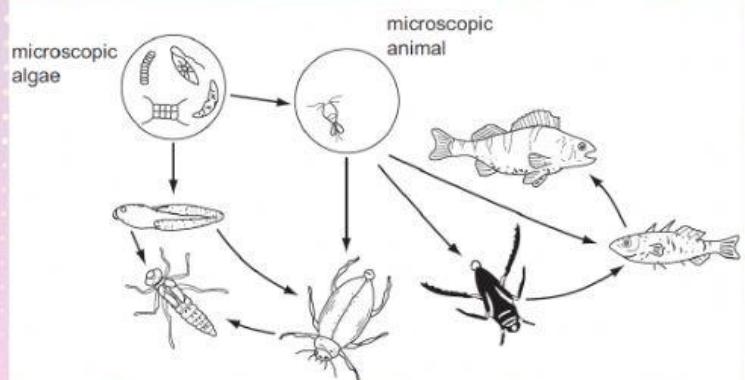
7. The diagram shows a food web in woodland. In this food web, the beetles are....



- A Carnivores
- B Decomposers
- C Herbivores
- D Producers

TOPIC: ECOSYSTEM- PART 1

8. The diagram below shows part of a pond food web. How many primary consumers are shown in this food web?



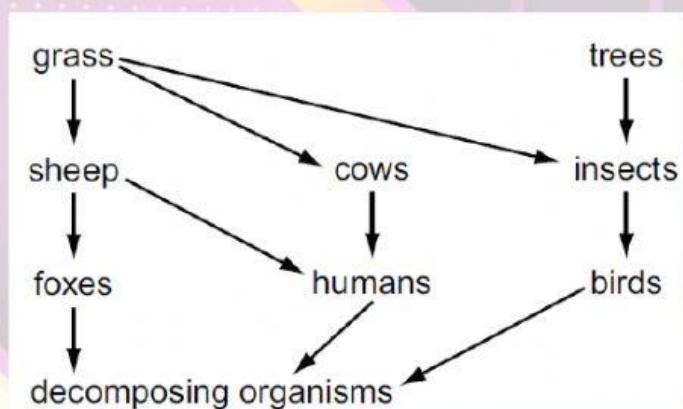
A 1
B 2

C 3
D 4

9. What is correct for the organisms at the beginning of every food chain?

- A They cause decay and provide minerals for the ecosystem
- B They feed on animals and recycle energy
- C They feed on plants and provide food for animals
- D They absorb nutrients and photosynthesize

10. The diagram shows part of a food web. What is the original source of energy for this food web?



- A Decomposer organisms
- B Light
- C Oxygen
- D Producer organisms