

SMART EXAM RESOURCES
0654 COORDINATED SCIENCES [DOUBLE AWARD]
TOPIC QUESTIONS – BIOLOGY [PAPER 2- MCQ]
18.5-Energy-Source-in-Food-Chains-Set-1

1.

How does an organism in the first trophic level gain energy?

- A** by absorbing energy from sunlight
- B** by breaking down dead or waste organic matter
- C** by eating organisms in the second trophic level
- D** by eating plants

2.

An example of a food chain is shown.

large water plants → small fish → large fish → decomposers

What is the source of energy for the large water plants in this food chain?

- A** decomposers
- B** sunlight
- C** wastes from the small fish
- D** water

3.

In an ecosystem, how do producers get most of their energy?

- A** absorbing sunlight
- B** eating other organisms
- C** feeding on dead matter
- D** using nutrients recycled by decay

4.

Which organisms obtain energy directly from every trophic level?

- A** carnivores
- B** decomposers
- C** herbivores
- D** producers

5.

Where does the principle source of energy for an ecosystem come from?

- A** decay
- B** the soil
- C** the Sun
- D** water