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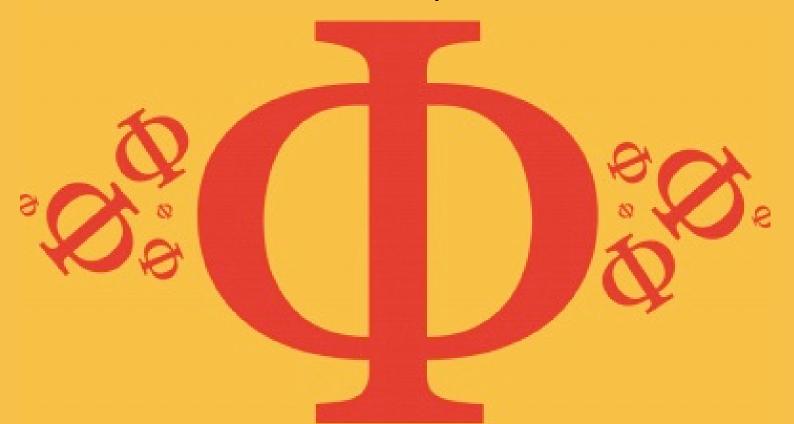
Detailed mark scheme

Suitable for all boards

Designed to test your ability and

4.1 Species, Communities, Ecosystems & Energy Flow

Easy



BIOLOGY





4.1 Species, Communities, Ecosystems & Energy Flow

Question Paper

Course	DP IB Biology
Section	4. Ecology
Торіс	4.1 Species, Communities, Ecosystems & Energy Flow
Difficulty	Easy

EXAM PAPERS PRACTICE

Time allowed:	10
Score:	/5
Percentage:	/100



Question 1

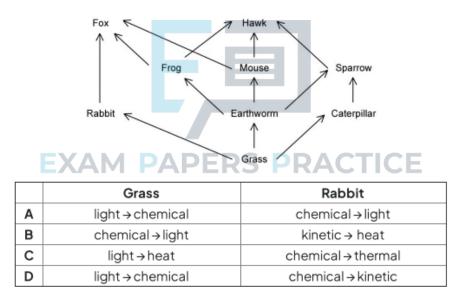
Which option correctly lists some abiotic features of an ecosystem?

- A. Mineral ions, light intensity, temperature
- B. Competition, predation
- C. pH, producers, mineral ions
- D. Wind speed, decomposition, mineral ions

[1 mark]

Question 2

Identify the main energy transfers carried out by the organisms in the food web below:



[1 mark]



Question 3

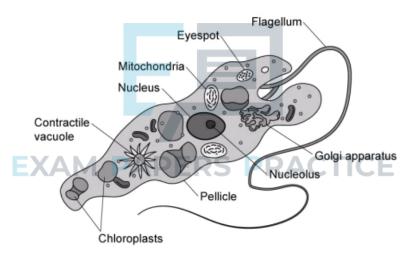
Which is the correct definition for a species?

- A. A group of organisms which look similar.
- B. A group of organisms with similar characteristics.
- C. A group of organisms which can interbreed to produce fertile offspring.
- D. A group of living things.

[1mark]

Question 4

Euglena is an autotroph.



Identify, from the diagram, the feature which indicates this is an autotrophic organism.

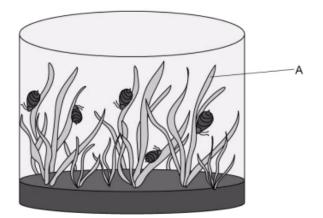
- A. Nucleolus
- B. Chloroplast
- C. Contractile vacuole
- D. Mitochondria

[1mark]



Question 5

A simple aquatic mesocosm is shown below



Why is A an important component of the mesocosm?

- A. A provides protection for the primary consumers from predators.
- B. A converts heat energy to chemical energy.
- C. A provides carbohydrates and oxygen to support the mesocosm.
- D. A helps to maintain a stable temperature.

[1 mark]

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