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Level: HL IB in Biology

Subject: Biology

Topic: IB HL Biology

Type: Mark Scheme

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All International Baccalaureate IB Topic Questions HL Biology

BIOLOGY

HL - IB

Key skills

Answer 1

The correct answer is C because:

- A transparent container allows light to reach the producers
- Secondary consumers should not be included for ethical reasons; they will eat the primary consumers, and there is unlikely to be enough for them
- Autotrophs are needed to convert light energy into chemical energy
- A control mesocosm allows researchers to be sure that any results are due to the variable being studied.

A is incorrect because the container used must be transparent to allow light to enter.

B is incorrect because food chains must be limited to a length of 2 organisms; 3 would include a secondary consumer.

D is incorrect because the soil microorganisms are an essential part of a sustainable ecosystem.