

Cambridge International AS & A Level

# BIOLOGY (9700) PAPER 2

Past Paper Questions By Topic  
+ Answer Scheme

**2015 - 2020**

**Complete Syllabus**



## Chapter 12

# Photosynthesis



### 12.1 Photosynthesis as an energy transfer process

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Fig. 6.1 is a food web.

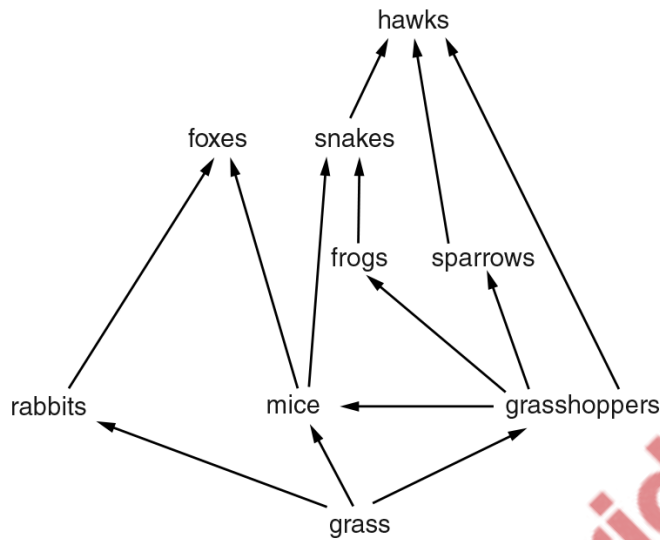


Fig. 6.1

(a) From the food web in Fig. 6.1, name:

(i) the producer

..... [1]

(ii) an organism feeding only as a primary consumer.

..... [1]

(iii) The hawks are top predators.

Name **one other** top predator shown in Fig. 6.1.

..... [1]

(b) Name the processes in the nitrogen cycle in which the following changes occur:

nitrate ions → nitrogen gas

.....

ammonium ions → nitrate ions

.....

nitrogen gas → ammonium ions.

..... [3]

[Total: 6]