Progress check

Unit B1, B1.5.1 Mark Scheme



1

Energy in biomass

Mark scheme

1. (a) In sequence:

> heron frog slug lettuce

(b) (i) light / sun 1

> ignore photosynthesis / respiration cancel mark if water / ions etc given do not accept heat

(ii) traps / absorbs light 1

accept energy for light do not accept collects / attracts do not accept 'traps sun'

(iii) 162 2

> if correct answer, ignore working / lack of working $\frac{10 \times 1620}{100}$ for **1** mark

2. (a) levels in correct order 2 sizes correct

for 1 mark each

(b) (i) working 2 0.96% (correct answer = 2) for 1 mark each

2 (ii) 2 of e.g. heat up leaves absorbed by non-photosynthetic parts transmitted through leaves

any 2 for 1 mark each

(iii) 3 3 of e.g. respiration of primary consumers movement of p.c. waste from p.c. repair/growth of p.c.; heat losses to surroundings

any 3 for 1 mark each

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[5]



