

Answers to examination-style questions

Answers

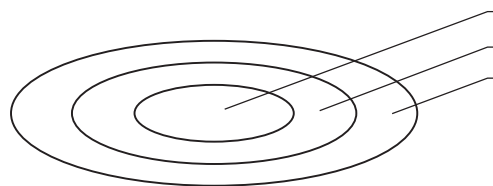
Marks Examiner's tips

1 (a) (i) A = order, B = family, C = genus;

2 All correct = 2 marks; two correct = 1 mark. Normally you would be expected to complete the diagram.

(ii) 3 concentric circles (*see Examiner's tips*) in Carnivora, labelled Felidae, *Panthera* and L;

1 Adding your answer to a diagram, table or similar, rather than writing on the lines, is often missed and students lose the marks. Make sure you have an answer for every question. You would be expected to draw the answer on the diagram.



(b) (i) large groups split into smaller groups (which do not overlap);

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(ii) (phylogenetic) based on evolutionary history; shows ancestry of groups/points of divergence; example, e.g. reptiles and birds separated after mammals/reptiles, and birds more closely related than mammals; (hierarchical) based on shared characteristics (seen today);

3 It is important to explain the meaning of phylogenetic and hierarchical systems using the information provided.