

1. (a) All vertebrates have a backbone *if more than one box is ticked,* 1 (L3)  
*award no mark*
- (b) (i) it had fur or hair 1 (L3)  
*accept 'it has ears on the outside of its body'*  
*do not accept 'it has a coat'*
- (ii) any one from 1 (L3)
- they produce milk to feed the young  
*accept 'they suckle' or 'they feed' their young with milk*
  - they give birth to live young  
*accept 'they give birth' or 'they do not lay eggs'*
  - they have mammary glands  
*accept 'they have teats'*  
*accept 'they have fur' or 'they have ears on the outside of their bodies' if not given as the answer to part (b) (i)*  
*do not accept 'they are warm blooded'*
- (c) (i) amphibians 1 (L3)
- (ii) it has strong or big or long legs 1 (L3)
- (iii) any one from 1 (L3)
- it has webbed feet *accept 'it has flippers' or 'it has big feet'*
  - it has strong back legs  
*accept 'it is smooth skinned' or 'it is streamlined'*  
*do not accept 'it has paddles'*
- (d) any one from 1 (L5)
- the eggs do not have a shell *accept 'they only have jelly around them'*
  - they would dry out on land *accept 'to keep the jelly wet'*
  - they are fertilised in water
  - tadpoles can live only in water *accept 'tadpoles have gills'*  
*do not accept 'tadpoles hatch from the eggs' or 'tadpoles need water' or 'so tadpoles can live'*  
*do not accept 'to protect them from predators'*

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*This page onwards:*

**Audit feedback:**

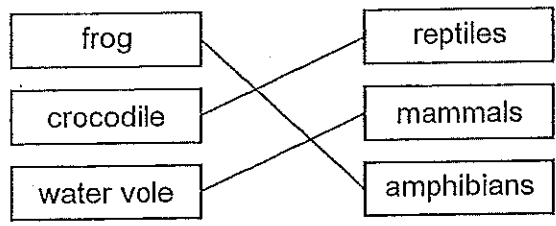
**Variation and classification**

- |    |     |       |              |  |        |
|----|-----|-------|--------------|--|--------|
| 1. | (a) | (i)   | mayfly nymph | <i>accept 'mayfly' or 'nymph'</i>  | 1 (L4) |
|    |     | (ii)  | water beetle | <i>accept beetle</i>   | 1 (L4) |
|    |     | (iii) | lymnaea      |  | 1 (L4) |
|    | (b) | (i)   | E            | <i>if more than one letter is given<br/>award no mark<br/>accept 'tubifex'</i> | 1 (L4) |
|    |     | (ii)  | A            | <i>accept 'mayfly nymph'</i>   | 1 (L4) |
|    |     |       | B            | <i>accept 'water beetle'<br/>answers may be in either order</i>                | 1 (L4) |

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1. (a) (i) any one from 1 (L3)
- A *accept 'tadpole'*
  - B *accept 'trout' or 'fish'*
- (ii) any one from 1 (L3)
- B *accept 'trout' or 'fish'*
  - D *accept 'crocodile' or 'reptile'*
- (b) backbones 1 (L3)
- (c) any one from 1 (L3)
- it has fins *accept 'the tail helps it swim'*  
*'it has a tail' is insufficient*
  - it is streamlined *accept a description of streamlining*  
*such as 'it is narrow or thin'*  
*accept 'scales make it smooth' or 'it is smooth'*  
*'it has gills' or 'it has gills to breathe or to take in oxygen' are insufficient*

(d) 2 (L3)



*if all three lines are correct, award two marks*  
*if one or two lines are correct, award one mark*  
*if more than one line is drawn from any animal, award no credit for that animal*

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