FEATURES OF ARTHROPODS-KEYS

1 **(a)** Fig. 1.1 shows four arthropods.
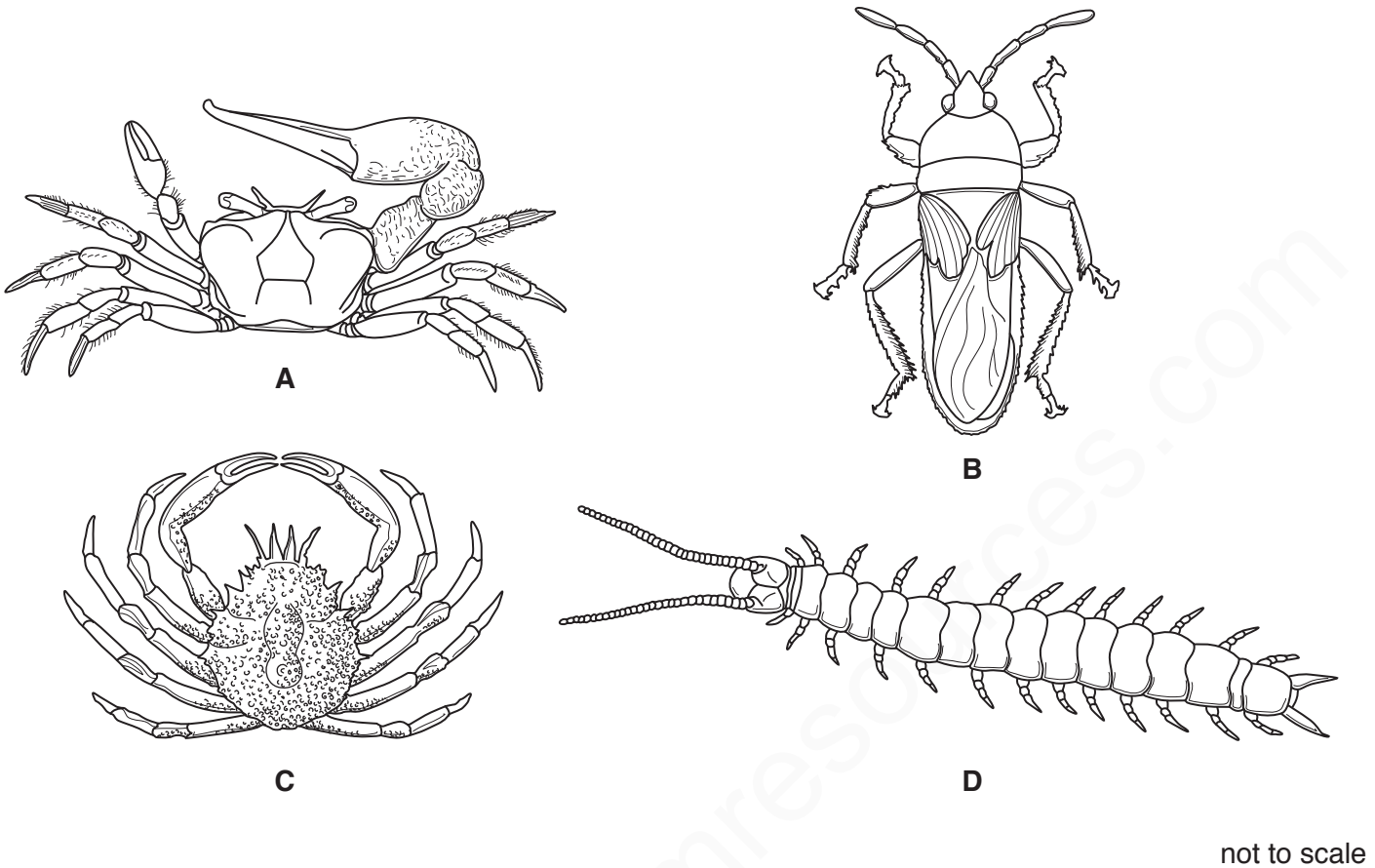

A

B

C

D

not to scale

Fig. 1.1

(i) State **two** features, visible in Fig. 1.1, that are common to all arthropods.

1 ....

2 ....

[2]

(ii) Fig. 1.2 is a dichotomous key for the arthropods shown in Fig. 1.1.

Complete Fig. 1.2 by writing suitable statements in:

- box **2** to identify species **B**

- box **3** to separate species **C** and **A**.

START

box **1**
animal has more than ten pairs of legs → yes → **D**

no

box **2** → yes → **B**

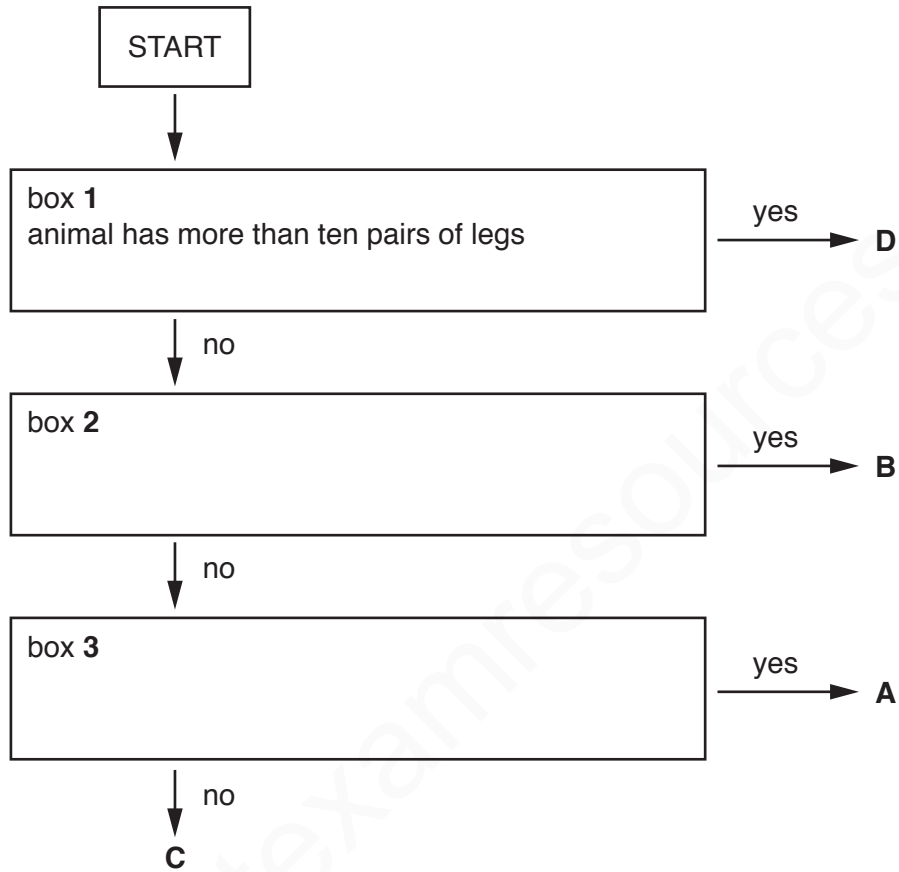no

box **3** → yes → **A**

no

C

Fig. 1.2

[2]

MARKING SCHEME:

1(a)(i)	exoskeleton / AW ; jointed / segmented, limbs / legs / appendages / AW ; pairs of, limbs / legs / appendages / AW ; segmented (body) / AW ; bilateral body symmetry ;	2	
1(a)(ii)	**Box 2**: *any one from:* animal has, 3 pairs of legs / 6 legs / less 4 pairs of legs / less than 8 legs ; wings ; head, thorax, abdomen / body in three sections ; no, pincers / claws / carapace ; **Box 3**: *any one from:* (animal has) claws / pincers, of different sizes / AW ; eyes on stalks ; smooth, carapace / body / 'shell' ; body, has five sides / is angular ; hairs / bristles / AW, on, legs / claws ;	2	