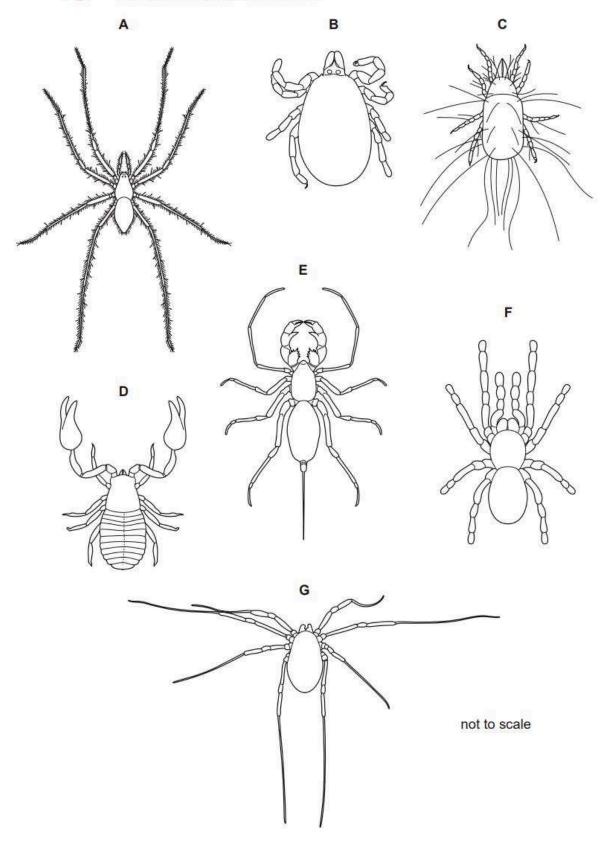
KEYS

KEYS:1

Fig. shows seven species of arachnid.



Use the key to identify each species. Write the letter of each species ($\bf A$ to $\bf G$) in the correct box beside the key. One has been done for you.

Key

1 (a)	Abdomen with a tail	Abaliella dicranotarsalis	E
(b)	Abdomen without a tail	go to 2	
2 (a)	Legs much longer than abdomen and cephalothorax	go to 3	
(b)	Legs not much longer than abdomen and cephalothorax	go to 4	
3 (a)	Hairs on the legs	Tegenaria domestica	
(b)	No hairs on the legs	Odielus spinosus	
4 (a)	Cephalothorax or abdomen segmented	Chelifer tuberculatus	
(b)	Cephalothorax and abdomen not segmented	go to 5	
5 (a)	Abdomen and cephalothorax about the same size	Poecilotheria regalis	
(b)	Abdomen larger than cephalothorax	go to 6	
6 (a)	Body covered in long hairs	Tyroglyphus longior	
(b)	Body not covered in hairs	Ixodes hexagonus	

[4]

MARKING SCHEME:

5 / 6 RIGHT = 4 4 RIGHT = 3 3 RIGHT = 2 1 / 2 RIGHT =1	Abaliella dicranotarsalis	E				
0 RIGHT = 0	go to 2					
	go to 3					
	go to 4					
	Tegenaria domestica	Α				
	Odielus spinosus	G				
	Chelifer tuberculatus	D				
	go to 5					
	Poecilotheria regalis	F				
	go to 6					
	Tyroglyphus longior	С				
	Ixodes hexagonus	В	4			

EXPERT SOLUTION:

The above question on keys can be answered only if you know your concepts well. So please learn then well to score full marks.

KEYS:2

(a) Fig. 1.1 shows seven species of fish that live on reefs in the Caribbean.

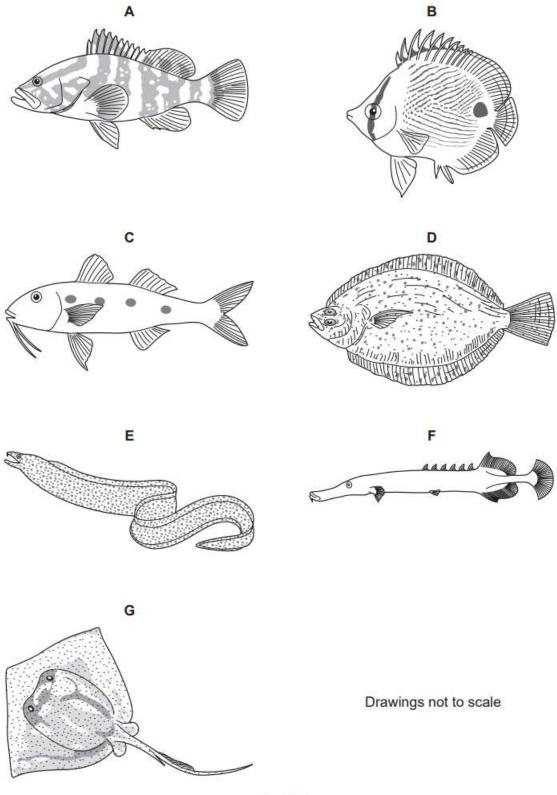


Fig. 1.1

Use the key to identify each species. Write the letter of each species ($\bf A$ to $\bf G$) in the correct box beside the key. One has been done for you.

Key

1 (a)	Body shape is long and narrow, at least 10 times as long as its depth	go to 2	
(b)	Body shape is not long and narrow, less than 10 times long as its depth	go to 3	
2 (a)	Fins are pointed	Aulostomus maculatus	F
(b)	Fins are smooth	Gymnothorax moringa	
3 (a)	Both eyes are on top of the head	go to 4	
(b)	Eyes are on either side of the head	go to 5	
4 (a)	Tail fin is long and thin	Dasyatis americana	
(b)	Tail fin is short	Bothus ocellatus	
5 (a)	Fish has one or several dark spots	go to 6	
(b)	Fish has no dark spots	Epinephelus striatus	
6 (a)	Fish has two fins on its back	Pseudupeneus maculatus	
(b)	Fish has more than two fins on its back	Chaetodon capistratus	

[4]

MARKING SCHEME:

(a)		go to 2			
	5 (0 DIQUE - 4	go to 3			sequence is:
	5 / 6 RIGHT = 4 4 RIGHT = 3	Aulostomus maculatus	F		E
	3 RIGHT = 2	Gymnothorax moringa	E		G
	1 / 2 RIGHT =1	go to 4			D A
	0 RIGHT = 0	go to 5			С
		Dasyatis americana	G		В
		Bothus ocellatus	D		I letters placed in grey blocks
		go to 6			
		Epinephelus striatus	Α		
		Pseudupeneus maculatus	С		
		Chaetodon capistratus	В	[4]	

EXPERT SOLUTION:

The above question on keys can be answered only if you know your concepts well. So please learn then well to score full marks.

KEYS 3:

1 Fig. 1.1 shows seven marsupial mammals.



Fig. 1.1

(a)	(i)	State one mammals.	feature	that	could	be	used	to	identify	the	marsupials	in	Fig.	1.1	as
			 												[1]

(ii) Use the key to identify each species. Write the letter of each species (A to G) in the correct box beside the key. One has been done for you.

key

1	(a)	tail visible	go to 2	
	(b)	no tail visible	go to 3	
2	(a)	back feet at least twice as long as front feet	go to 4	
	(b)	back feet and front feet of similar length	go to 5	
3	(a)	large ears relative to the size of the head	Phascolarctos cinereus	
	(b)	small ears relative to the size of the head	Vombatus ursinus	
4	(a)	tail at least twice as long as body	Sminthopsis longicaudata	
	(b)	tail less than twice as long as body	Macropus rufus	
5	(a)	uniform body colouring	Paljara tirarense	
	(b)	markings on body	go to 6	
6	(a)	white band across back and chest	Sarcophilus harrisii	
	(b)	no white band across back and chest	Dasyurus maculatus	G

[3]

MARKING SCHEME:

a (i)	hair/fur/whiskers; external ears/pinna(e); nose/snout;	
(ii)		
()	go to 2	
	go to 3	
	go to 4	
	go to 5	
	Phascolarctos cinereus	С
	Vombatus ursinus	В
	Sminthopsis Iongicaudata	Α
	Macropus rufus	D
	Paljara tirarense	F
	go to 6	
	Sarcophilus harrisii	E
	Dasyurus maculatus	G

EXPERT SOLUTION:

The above question on keys can be answered only if you know your concepts well. So please learn then well to score full marks.