

Section 2: *Weird but wonderful... The Octopus*

Reading answer booklet: Page 9

13. What allows octopuses to be *extremely flexible*?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award **1 mark** for answers that refer to octopuses having no bones, eg:

- *boneless*
- *they have no bones.*

Also accept they are invertebrates / they have no backbone.

Do not accept synonyms for flexible, eg:

- *they are squishy / bendy.*

14. (a). Which body part does an octopus use to move through the water?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award **1 mark** for answers that refer to the siphon.

(b). How does this body part help it to move?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award **1 mark** for answers that refer to water being squirted / blown / pushed water through the siphon (force of the water), eg:

- *it blows water through it*
- *squirting jets of water through the siphon.*

Do not accept answers referring to the release of water with no reference to force, eg:

- *water comes out through the siphon.*

Reading answer booklet: Pages 9 and 10

15. Where is most of an octopus's nervous system located?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award 1 mark for:

- tentacles.

Do not accept: brain

16. The table on page 8 contains information that is weird but wonderful about octopuses' tentacles.

Give **two** other pieces of information about octopuses' tentacles that could have been included in this table.

up to 2 marks

Assessment focus 3: deduce, infer or interpret information, events or ideas from texts.

Award 1 mark for answers that refer to any of the following up to a maximum of 2 marks:

1. when detached, it can move / function / feed an imaginary mouth

- *If it is cut off, it can still move*
- *It tries to feed itself when detached*

2. can (lose and) regrow / lose if necessary

- *They can lose a tentacle and re-grow it later*

3. has ability to 'taste'

- *It can taste from its tentacles*

4. contains the majority of its nerve cells

- *Most of its nerves are in the tentacles.*

Do not accept any details already included in the table, eg:

- *It has 8 tentacles*
- *240 suckers.*

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Reading answer booklet: Pages 10 and 11

17. How does releasing black ink help the octopus to escape from predators?

Give **two** ways.

up to 2 marks

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award **1 mark** for referring to any of the following up to a maximum of **2 marks**:

1. the predator can't see the octopus / the ink blocks the predator's view
2. the predator can't smell the octopus / the ink reduces the predator's ability to smell.
3. gives them longer to escape
4. makes them harder to track.

18. Look at the section headed: ***Defence and attack.***

Octopuses can squeeze into small spaces. How does this protect them?

1 mark

Assessment focus 3: deduce, infer or interpret information, events or ideas from texts.

Award **1 mark** for responses which identify that predators can't reach them (may be implied), eg:

- *Other animals cannot reach into the tiny spaces to get them*
- *predators are too big to get at them.*

Do not accept references to hiding without further development.

Reading answer booklet: Pages 11 and 12

19. Octopuses are very determined.

Give **two** examples from the text that support this.

up to 2 marks

Assessment focus 3: deduce, infer or interpret information, events or ideas from texts.

Award **1 mark** for any of the following up to a maximum of **2 marks**:

1. they can break out of / into tanks / board fishing boats / open cargo holds (to get food)
 - *they break into other tanks to get food*
 - *they break out of their own tanks and into other ones to find food*
2. (it took Frida) anything up to an hour to open the jar
 - *the German octopus wouldn't stop until the jar was open*
 - *Frida didn't give up until she'd opened the jar*
 - *Frida tried to open the jar for a whole hour*
3. they will lose a tentacle in order to escape a predator
 - *if they are being chased by a predator, they will even lose a tentacle to escape.*

20. What is special about *Octopus Wolfi*?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award **1 mark** for any of the following:

1. it is the smallest octopus
2. it only weighs 1 g / It is only 1.5 cm long
3. it weighs the same as a raisin.

Reading answer booklet: Page 12

21. Which octopus produces a poison that can kill people?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award 1 mark for answers that identify the Blue-ringed Octopus.

22. (a). What creatures do octopuses eat?

1 mark

Assessment focus 2: understand, describe, select or retrieve information, events or ideas from texts and use quotation and reference to text.

Award 1 mark for any of the following:

1. crabs
2. crayfish
3. shellfish
4. shrimps.

(b). What creatures eat octopuses?

1 mark

Assessment focus 3: deduce, infer or interpret information, events or ideas from texts.

Award 1 mark for any of the following:

1. sharks
2. eels
3. dolphins.

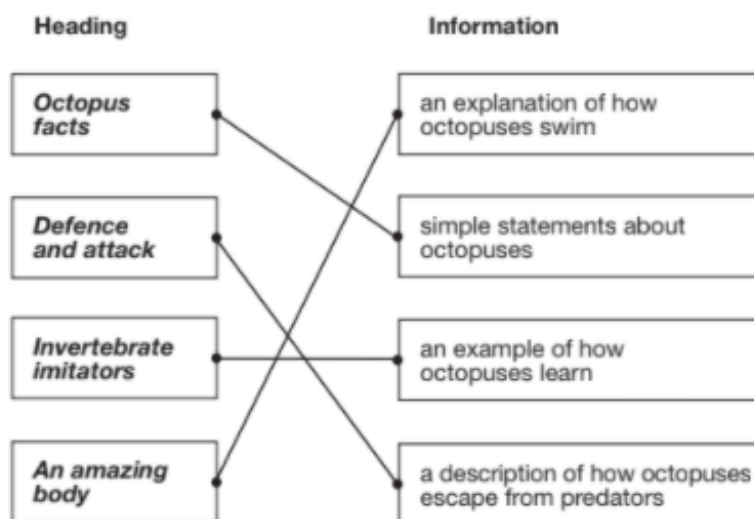
Do not accept creatures not mentioned in the text.

23. Draw a line to match the heading with the information that is provided in each text box of *Weird but wonderful... The Octopus*.

1 mark

Assessment focus 3: deduce, infer or interpret information, events or ideas from texts.

Award 1 mark for all boxes correctly matched.



24. Where would you expect to find the text *Weird but wonderful... The Octopus*?

1 mark

Assessment focus 7: relate texts to their social, cultural and historical contexts and literary traditions.

Award 1 mark if the correct answer is ticked.

Tick **one**.

on the front page of a newspaper

☐

in an advertising leaflet for an aquarium

☐

in a report on a scientific investigation

☐

in a magazine about the natural world

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