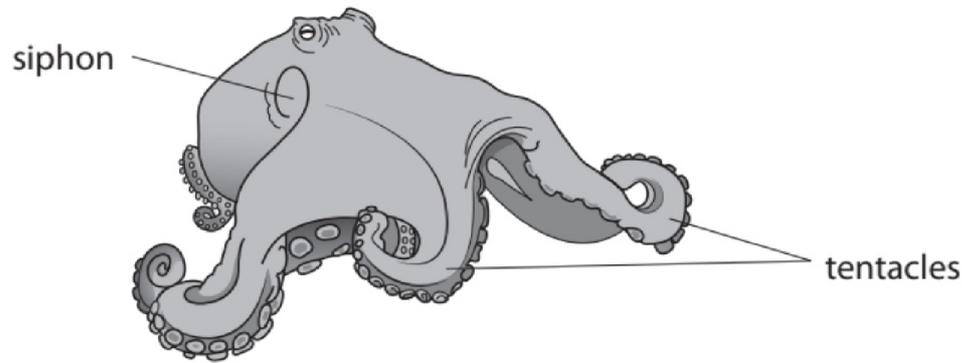


4 The octopus is an animal that lives in the sea.

The diagram below shows a female octopus.



One of the tentacles of a male octopus is adapted to deliver sperm into a female octopus. This tentacle is called a hectocotylus.

When the octopus mates, the male octopus inserts his hectocotylus into the siphon of the female.

(a) After mating, the hectocotylus breaks off and stays inside the siphon of the female.

Suggest advantages to the octopus species of the hectocotylus remaining inside the siphon.

(2)

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