

NAT II Biological Science Zoology

Sr	Questions	Answers Choice
1	The Gastropoda and the Cephalopoda form a clade characterized by a dorsoventrally elongate body and shell coiling.	A. True B. False C. None of Above
2	The operculum aids in both respiration and reproduction in gastropods	A. True B. False C. None of Above
3	Labial palps of bivalves sort filtered food particles delivered by cilia lining the ventral margin of the gills.	A. True B. False C. None of Above
4	Members of the class Monoplacophora are wormlike molluscs that lack a shell, crystalline style, and foot; they live in vertical burrows on the deep-sea floor.	A. True B. False C. None of Above
5	Members of the class Polyplacophora include the chitons, which are found on hard substrates in marine habitats.	A. True B. False C. None of above
6	Cephalopods rely on olfactory senses for detecting prey	A. True B. False C. None of above
7	A ----- is a mucoid mass that extends to the stomach of gastropods. It contains trapped food particles and is rotated by cilia	A. Protostyle B. Umbo C. Crystalline style D. Gastric shield
8	----- is a developmental process that occurs in gastropods and results in a 180 degree counterclockwise twisting of the visceral mass and mantle cavity	A. Gastrulation B. Epiboly C. Involution D. Torsion
9	Members of which of the following mollusc classes would be characterized by a reduced head, a mantle that surrounds the entire body and a tusk-shaped shell?	A. Scaphopoda B. Bivalvia C. Polyplacophora D. Gastropoda
10	Members of which of the following mollusc classed would be characterized by a shell consisting of 8 plates?	A. Aplacophora B. Polyplacophora C. Monoplacophora D. Cephalopoda
11	All of the following mollusc characters would be found in a member of the class Bivalvia except one. Select the exception.	A. Visceral mass B. head-foot C. mantle cavity D. radula
12	Molluscs can be characterized by:	A. Trochophore larvae, and they are deuterostomes. B. Planaria larvae, and they are protostomes. C. Trochophore larvae and they are protostomes. D. Planaria larvae, and they are deuterostomes
13	Which of the following is true of the visceral mass of a mollusc?	A. It contains the gills B. It secretes the shell C. It is used in locomotion D. It contains gonads and digestive glands
14	The molluscs are most closely related to the	A. Annelids B. Enhinoderms C. Arthropods. D. Chordates
15	Which of the following is true of the mantel cavity of a bivalve?	A. It is the area where water circulates during feeding and gas exchange B. It is the space between the mantle and the shell

		<p>C. It is the space between the pericardium and the heart</p> <p>D. It is the space where blood circulates before being returned to the heart</p>
16	The mantle of most mollusks	<p>A. is modified for locomotion</p> <p>B. is used in attracting prey</p> <p>C. secretes the shell</p> <p>D. supports the radula</p>
17	Which of the following is true of the radula of most molluscs?	<p>A. It is used in reproduction</p> <p>B. It is used in excretion</p> <p>C. It is used in rasping food</p> <p>D. It is used in gas exchange</p>
18	All the following are unique to the molluscs except one. Select the exception.	<p>A. mantle</p> <p>B. shell</p> <p>C. visceral mass</p> <p>D. head-foot</p>
19	All the following characteristics are present in Dephnia except	<p>A. Carapace covers thorax</p> <p>B. One pair of compoynd eyes</p> <p>C. Presence of parapodia</p> <p>D. Eight pairs of thoracic appendages</p>
20	Presence of metameric segmentation	<p>A. Lumbricus</p> <p>B. Daphnia</p> <p>C. Arenicola</p> <p>D. Both A and C are correct</p>