

I worked with the following classmates: NAME _____

Invertebrate Paleontology Lab
Quiz 2 (2nd of 6) 20 points

1A This fossil brachiopod belongs to the _____ Order

1B. Circle the best group of 3 terms that fits this sample:

Filter feeding	Filter feeding	Filter feeding
Paleozoic	Paleozoic	Mesozoic
articulate	inarticulate	articulate

2A. This fossil bryozoan has a growth habit that is

massive branching fenestrate encrusting (circle the correct answer)

2B. Circle the best group of 3 terms that fits this sample:

solitary	colonial	colonial
filter feeding	filter feeding	burrowing
epibiont	Paleozoic	epibiont

3A. This fossil brachiopod belongs to the _____ Order

3B The opening (foramen) in this brachiopod valve is for the:

(Circle the correct answer)

lophophore zoecium pedicle zooarium

4A. This fossil brachiopod is articulate / inarticulate (circle the correct answer)

4B Articulate or inarticulate condition is determined by the presence of

(Circle the correct answer)

pedicle opening hinge teeth lophophore brachial valve

5A This bryozoan has a growth habit that is

massive branching fenestrate encrusting (circle the correct answer)

5B. Circle the best group of 3 terms that fits this specimen:

Cellular grade body plan	tissue grade body plan	organ grade body plan
zooarium	zooarium	zooarium
pedicle	lophophore	lophophore

6A This brachiopod is of the order _____

6B Modifications to the shell (wing-like shape, deep sulcus & fold, long hinge line) help this organism to (circle the best group of three terms that fit this specimen)

burrow	stay on top of sediment	be infaunal
capture prey	control water current	control water current
shrink lophophore	expand lophophore	expand lophophore

7A This brachiopod is an articulate / inarticulate form (circle the correct answer)

7B The arrow on this specimen points to the _____.

8A This bryozoan belongs to the order _____

8B This is the part of the colony that is the (circle the best answer)

zoecium lophophore axis/stem pedicle

9A The horizontal lines on these brachiopods (see photo for arrows) are _____.

9B The vertical lines on these brachiopods (see photo for arrows) are _____.

10A. Here are specimens of a bryozoan and a colonial coral. Both show encrusting growth habits. The bryozoan colony is on the (circle one)

brachiopod

rugose coral

10B Distinguishing fossil bryozoans from fossil colonial corals in the field requires knowing that bryozoans have: (circle the best group of three identifying characteristics)

No septa	four-way symmetry	six-way symmetry
Smaller openings	septa	septa
No Tabulae	many more openings	many more openings