I worked with the following classmates: ________________________________

NAME ________________________________

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

1A. This fossil bryozoan has a growth habit that is

massive  branching  fenestrate  encrusting  (circle the correct answer)

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

   solitary  colonial  colonial
   filter feeding  filter feeding  filter feeding
   Paleozoic  Paleozoic  Cenozoic

2A This fossil brachiopod belongs to the __________________________ Order

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

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

3A. This fossil brachiopod belongs to the __________________________ Order

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

   lophophore  zooecium  pedicle  zooarium  (Circle the correct answer)

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

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

   pedicle opening  hinge teeth  lophophore  brachial valve  (Circle the correct answer)

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 sample:

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

7A This brachiopod is of the order __________________________

7B Circle the best group of three terms that fits this specimen:

- articulate
- inarticulate
- inarticulate
- Lives on surface
- cements to rocks
- lives in burrow
- No pedicle
- fleshy pedicle
- fleshy pedicle

8A This bryozoan belongs to the order __________________________

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

- zooecium
- lophophore
- axis/stem
- pedicle

9A This brachiopod is of the order __________________________

9B Circle the best group of three terms that fits this specimen:

- filter feeding
- filter feeding
- filter feeding
- Paleozoic
- Cenozoic
- Mesozoic
- articulate
- inarticulate
- articulate

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
- Smaller openings
- Many more openings
- four-way symmetry
- septa
- many more openings
- six-way symmetry
- smaller openings
- many more openings