

NAME \_\_\_\_\_

Invertebrate Paleontology Lab  
Quiz 4 (4<sup>th</sup> of 6) 20 points

1A This fossil cephalopod is a member of the \_\_\_\_\_ Subclass

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

top predator	grazer	detritivore
Early Paleozoic	early Paleozoic	late Paleozoic
Straight sutures	straight sutures	saddle and lobe sutures

2A. This marine assemblage is typical of the \_\_\_\_\_ Era.

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

inner shelf	slope	rocky intertidal
clean water	muddy water	high wave energy
Ordovician Period	Cambrian Period	Cretaceous Period

3A This marine assemblage is typical of the \_\_\_\_\_ Era.

3B Based on the members of this assemblage, the likely age of this assemblage is:

Ordovician Period    Devonian Period    Triassic Period    Cretaceous Period

4A. Nautiloid shells differ from Ammonoid shells primarily in the \_\_\_\_\_, where the septal walls meet the outer shell.

4B This difference also includes (circle the correct answer)

Coiling direction    siphuncle position    number of chambers    presence of CaCO<sub>3</sub>

5A. This fossil cephalopod has a visible “mother of pearl” layer of CaCO<sub>3</sub>, which is the mineral \_\_\_\_\_

5B. This mineral is metastable, and over millions of years (> 70 my), re-orders to form the mineral \_\_\_\_\_.

6A This fossil cephalopod is typical of the \_\_\_\_\_ Subclass

6B Circle the best group of 3 terms that fits this sample:

Nautilus	Ammonite	Belemnite
Predator	predator	rostrum
phragmocone	phragmocone	crystalline calcite

7A This fossil cephalopod is a member of the \_\_\_\_\_ Subclass.

7B Circle the best suture pattern that fits this sample:

Goniatite	Ceratite	Ammonite
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8A This fossil cephalopod is a member of the \_\_\_\_\_ Subclass.

8B Circle the best suture pattern that fits this sample:

Goniatite	Ceratite	Ammonite
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9A This cephalopod is a member of the \_\_\_\_\_ Subclass.

9B Circle the best suture pattern that fits this sample :

Goniatite	Ceratite	Ammonite
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10A. This fossil is a (circle the correct one)

Gastropod	Cephalopod
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10B. The distinguishing characteristic between these two groups is

planispiral coiling    presence/absence of septal walls    size    coiling direction