

I worked with the following classmates:

_____ NAME _____

Invertebrate Paleontology Lab Open Quiz 1 (1st of 6) 20 points (open book, open notes)

1A This fossil coral is a member of the _____ Order

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

Solitary	Colonial	Colonial
Paleozoic	Paleozoic	Mesozoic
tabulae	tabulae	septa

2A This sponge is a member of the _____ Class

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

Paleozoic	Cenozoic	Paleozoic
Silica spicules	calcite spicules	calcite spicules
Reef builder	solitary	reef builder

3A. This type of preservation is _____

3B The source supplying the silica preserving this fossil is primarily _____.

4A. This fossil coral is a member of the _____ Order

4B. Here are 3 groups of terms. Circle the best group of 3 terms that fits this sample:

Solitary	Solitary	Colonial
6-way symmetry	4-way symmetry	4-way symmetry
Mesozoic	Paleozoic	Cenozoic

5A. This type of preservation is _____

5B The interior structure of this specimen is / is not preserved (circle the correct answer)

6A This sponge is a member of the _____ Class

6B Here are 3 groups of terms. Circle the best group of 3 terms that fits this sample:

Paleozoic	Mesozoic	Cenozoic
Silica spicules	calcite spicules	calcite spicules
Flexible silica fibers	solitary	reef builder

7A This sponge is a member of the _____ Class

7B Here are 3 groups of terms. Circle the best group of 3 terms that fits this sample:

Paleozoic	Mesozoic	Cenozoic
calcite spicules	calcite spicules	silica spicules
reef builder	solitary	reef builder

8A This coral is a member of the _____ Order

8B. Here are 3 groups of terms. Circle the best group of 3 terms that fits this sample:

Colonial	Colonial	Solitary
Paleozoic	Cenozoic	Mesozoic
Zooxanthellae algae	Zooxanthellae algae	Zooxanthellae algae

Answer these last two questions with one or two sentences.

9. What are two major features of sponge body plans that place this group at the base of metazoan phylogeny?

10. What are spicules, and what are they composed of?