

I worked with the following classmates:

NAME _____

Invertebrate Paleontology Lab
Open Quiz 1 (1st of 6) 20 points

1A This sponge is a member of the _____ Class *Bonus Point-This is a guide fossil for which geologic period?*

1B 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

2A This fossil coral is a member of the _____ Order

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

Solitary	Colonial	Colonial
Paleozoic	Paleozoic	Mesozoic
tabulae	tabulae	septa

3A This sponge is a member of the _____ Class

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

Paleozoic	Mesozoic	Cenozoic
Silica spicules	calcite spicules	calcite spicules
Solitary	solitary	reef builder

4A. This type of preservation is _____

4B The interior structure of this specimen is / is not preserved (circle the correct answer)

5A. This fossil coral is a member of the _____ Order

5B. 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

6A This sponge is a member of the _____ Class

6B 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

7A. This type of preservation is _____

7B The interior structure of this specimen is / is not preserved (circle the correct answer)

8A This coral is a member of the _____ Order

8B. 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?