PaleoLab Quiz 6

I worked with the following classmates NAME _____

_____

Invertebrate Paleontology Lab
Quiz 6 (6th of 6) 20 points

1A. This marine assemblage is typical of the _____ Era.

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

inner shelf	slope	rocky intertidal
clean water	muddy water	high wave energy
Miss-Penn. Periods	Permian Period	Cretaceous Period

2A This fossilized echinoderm is a _____(name the Class)

2B. Most members of this group were (circle the correct answer)

Marine benthic filter feeders Nonmarine benthic filter feeders Planktonic marine predators

3A. This fossil echinoid is (circle the correct answer)

regular irregular

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

calcite crystals	Silica crystals	Calcite crystals
exoskeleton	ossicles	ossicles
holochroal	exoskeleton	water vascular system

4A. This is the fossilized remains of _____ (name the Class)

4B Circle the best group of 3 terms that fit this sample

bioherm	bioherm	bioherm
columnals	pygidia	calyces
Shallow shelf	slope	rocky intertidal

5A This fossil echinoderm is a _____ (name the Class).

5B The ossicles are composed of individual (circle the correct answer)

Quartz crystals Calcite crystals chitinous plates

6A This is an echinoderm of the class _____

6B The madreporite visible on the central dorsal area is the control for (circle the correct answer)

Mouth & digestion water vascular system reproductive budding

7A The spiracles on the top of this calyx or theca include the openings for (circle the best group of three terms that fits this sample)

Water vascular system	water vascular system	water vascular system
Arms	stem	anus
Mouth	mouth	mouth

7B The five wide grooves visible in this specimen are the ambulacral areas, where the _____ attached (circle the correct answer)

Stem(s) arm(s) madreporite(s) gills

8A This fossil echinoderm is a _____ (name the Class)

8B Circle the best group of three terms that fits this sample:

Shell hash or hard substrate	silt and clay substrate	fine grained substrate
Marine	marine	fresh water
Paleozoic	Mesozoic	Cenozoic

9A This fossil echinoderm preferred a habitat that was (circle the correct answer)

Benthic marine shelf/surf Planktonic marine open water benthic nonmarine

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

Planktonic	benthonic	planktonic
Scavenger	detrital feeder	blind
Paleozoic	shallow burrows	Cenozoic

10A. This fossil is the remains of a _____ (name the Class)

10B. The portion of the organism preserved here is the

Columnal calyx ambulacral arm ossicle