STATION 1

Name the Phylum _____

Identify the class of each and itsfeeding habit from the list below

Predator grazer on algae fliter feeder parasite

A _____ feeds by _____

B _____ feeds by _____

C _____ feeds by _____

Which subgroup is extinct? _____

Many members of this phylum have (circle the answer)

operculum ampullae frustrules lopophores

STATION 2

5 of these 6 invertebrates are from the same phylum

Name the phylum _____ Identify the outlier _____

How does specimen E differ from the others ? _____

Which specimen is the best Ordovian index fossil _____

Which expression best describes the 5 common phylum fossils?

a. Benthic and Sessile
b. Benthic and Vagrant
c. Planktonic and Sessile
d. Nektonic and Vagrant

STATION 3

Identify the most likely "Group" for each specimen and from the following list, select the most accuarte method of preservation.

Mineralization Carbonization Petrification
Pyritization Silicification Recent/unpreserved

A - Phylum _____ Preserved by _____

B - Phylum _____ Preserved by _____

C - Kingdom _____ Preserved by _____

D - Phylum _____ Preserved by _____

Which specimen is most likely NOT Paleozoic? _____

STATION 4 -- Associate the term on the left with the correct picture and then identify the subgroup

Osculum ---- Picture ____ Phylum _____

Chitin ---- Picture ____ Class _____

Zooecium ---- Picture ____ Phylum _____

Lopophore ---- Picture ____ Class _____

Coprolite ---- Picture ____ Clade _____

Podia ---- Picture ____ Phylum _____

Which subgroups was/were extinct by the end of the Paleozoic

_____

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STATION 5 : Identify from the picture and then name the Genus.

I was an armored fish _____ Name my genus _____

I use my pectoral fins to swim ____ Name my suborder _____

You thought I was extinct, but I was not _____ Name my order _____

I'm alive today and have triangular teeth _____ Name my suborder _____

More than one may apply

Which of these marine fish are dominately benthic feeders ? _____

Which of these are known as cartilagenous fish ? _____

My picture is not shown, but I am an armored fish that ruled the Devonian seas. _____

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STATION 6 : Match the Fossil name to his Geologic Period
USE EACH GEOLOGIC PERIOD only once

Dactylioceras ____	A. Cretaceous
Isotelus ____	B. Eocene
Pecten ____	C. Silurian
Dimetrodon _____	D. Cambrian
Dilophosaurus _____	E. Ordovician
Tikaakik _____	F. Jurassic
Orthoceras _____	G. Permian
Belemnitella _____	H. Devonian
Basilosaurus _____	I. Triassic
Elrathia _____	J. Recent

STATION 7 Label these statements as TRUE or FALSE

A. Bivalves went extinct in the Cretaceous

B. All cephalopods are pelagic

C. Nautiloids are found in the Gulf of Mexico.

D. Many Gastropods have operculum.

E. Conus are predators that live today.

F. Turitella are benthic filter feeders

G. Leptanaea are Arthropods.

H. 80% of all living organisms today are Arthropods.

I. Cephalopods disperse poison from their operculum.

J. Smilodon preyed on Mesohippus.

K. Allosaurus and Tyrannosaurus hunted together in North America

L. Silurian Orthoceras lived before Devonian trilobites.

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Station 1

A

B

C

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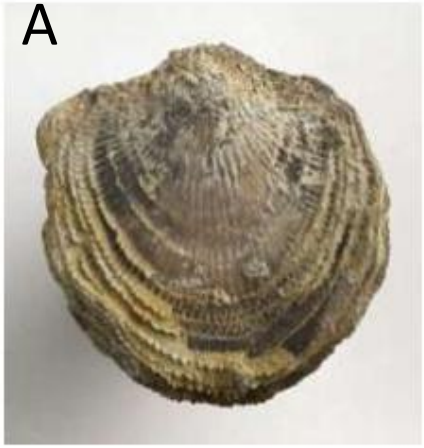
Station 2

A



B

C

D

E

F

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Station 3

A

B

C

D

Quiz 8 – Feb 28

Station 4

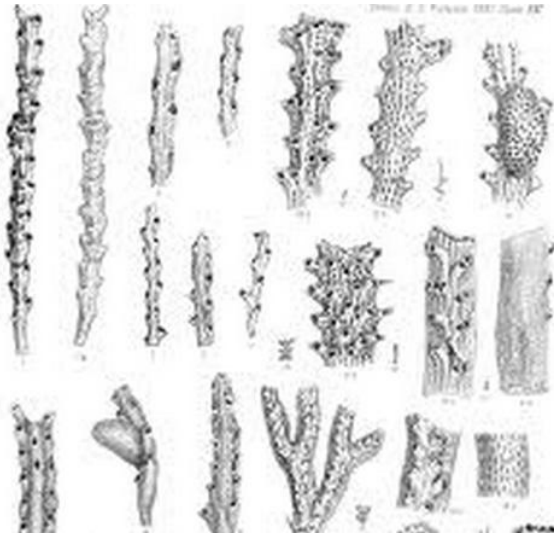
A

B

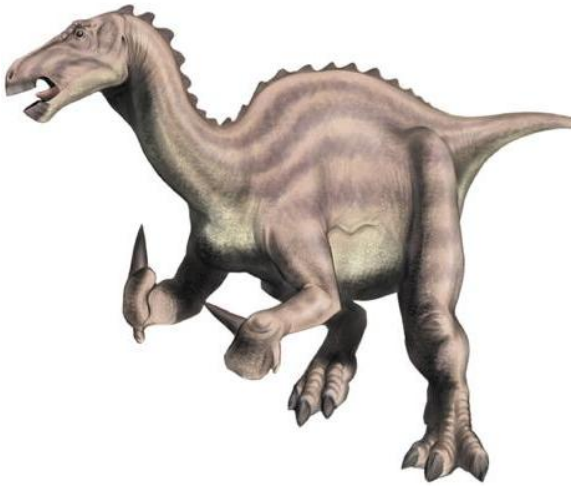
C

D

E



F



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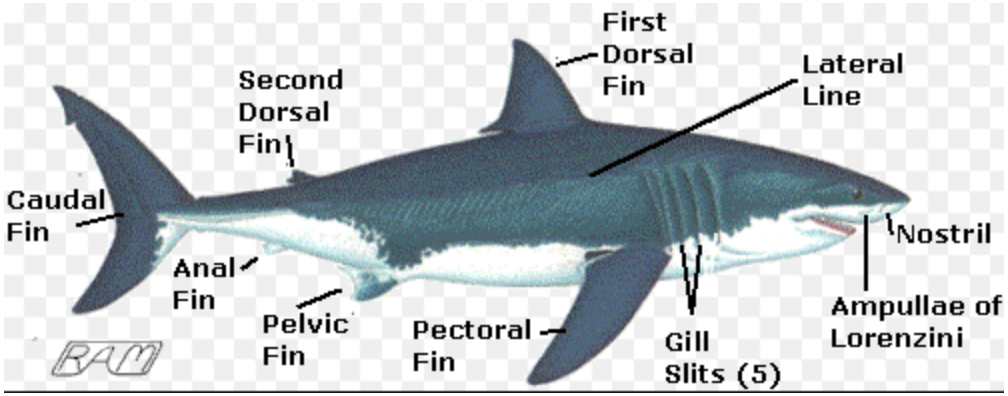
Station 5

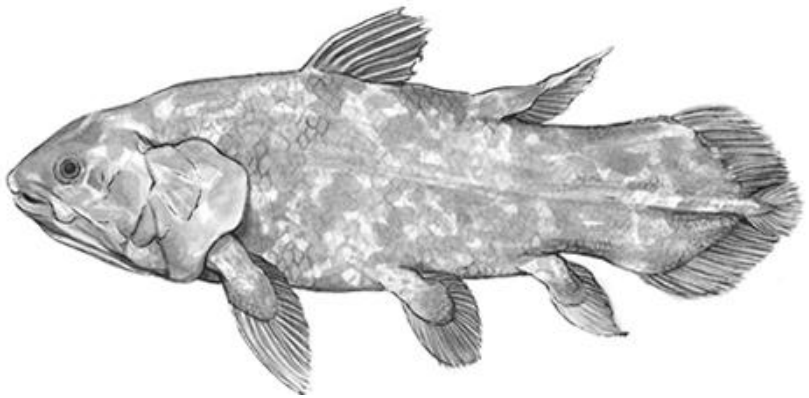
A



B

C

D



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Station 1
Phylum – Echniodermata
Crinoid – filter feeder
Echinoidea – grazer
Bastoid/Pentremites – filter feeder
Blastoid – extinct end Permian
ampullae

Station 2
Brachiopoda
C which is a bivalve – Pholodomya
E is Inarticulate – Lingula
Rafinsequina
a. Benthic and sessile

Station 3
A – Cnidaria – mineralized
B – Brachiopoda – pyritization
C - Wood - petrification
D – Echinodermata – silification
C – wood is not Paleozoic

Station 4
Osculum – B Porifera
Chitin – A – Trilobita
Zooecium – E – Bryozoa
Lopophore – C – Brachiopoda
Coprolite – F – Dinosaur
Podia – D – Asteroidea
Fusinilids and Trilobites

Station 5
Dactylioceras – F (Jurassic)
Isotelus – E (Ordovician)
Pecten – J (recent)
Dimetrodon – G (Permian)
Theraspides – I (Triassic)
Tiktaalik – H (Devonian)
Orthoceras – C (Silurian)
Belemnitella – A (Cretaceous)
Basilosaurus – B (Eocene)
Elrathia – D (Cambrian)

Station 6
A – F
B – T
C – T
D – T
E – T
F – T
G – F
H – T
I – F
J – F
K – F
L - T

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