

STATION 1 -- refer to picture

Name the phylum of this specimen. Phylum: _____

What characteristics do all members of this phylum share?

- A. Exoskeleton and jointed legs
- B. They all have mineralized shells and eyes
- C. They are all marine
- D. All members of this phylum are extinct.

Although this animal lived in an ancient seas, it is most closely related to modern;

a. Lobsters b. Insects c. Scorpions d. Trilobites e. Coral

TRUE OR FALSE: This animal was sessile and benthic.

STATION 3 refer to picture

What is the Phylum of all these creatures? _____

Which of these fossils is not in the same Class as the other 3 ?

A B C D

Which animal is NOT extinct ? A B C D

What is the Class and Genus of the Animal that is not in the same class as the other 3 ?

Class _____ Genus _____

TRUE OR FALSE: These creatures are scavengers and predators.

STATION 2 - refer to picture

What Phylum does this sample belong to?

Mollusca Bivalvia Brachiopoda Invertebrata

This fossil is common in upstate NY rocks and is a good index fossil for which geologic period?

Silurian Devonian Paleozoic Ordovician

The following is a living member of this phylum

Composita Pecten Atrypa Juresina none of these

TRUE OR FALSE: This pelagic animal was a filter feeder.

STATION 4 - refer to picture

Identify each from the picture. Now circle the mobile predators.

Conus ____ Turritella ____ Halysites ____ Crustacea ____ Phacops ____

From this same list, which two are most closely related

Conus Turritella Halysites Crustacea Phacops

Same list again: Which from this list are alive today?

Conus Turritella Halysites Crustacea Phacops

BONUS: Which of these is a Devonian Index Fossil? _____

BONUS: Which of these is a Silurian Index Fossil? _____

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

Name these 4 invertebrates (Be sure to use the name that is assigned for this competition)

A. _____

B. _____

C. _____

D. _____

What is unique about the structure of animals from this phylum? _____

Which of these creatures is extinct? _____

STATION 6 --- *see page 7 for pictures*

Identify the Phylum of each diagram:

A. _____

B. _____

C. _____

D. _____

Which of these fossils was sessile? A, B. C. D.

Which are filter feeders A. B. C. D.

Which depicts a Class of organisms now extinct A. B. C. D

Which organism uses a vascular system for movement? A. B. C. D.

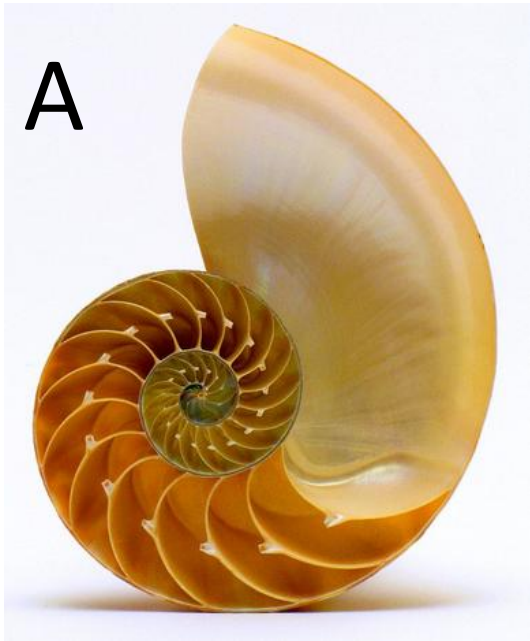
Station 1



Station 2



Station 3



A



B



C



Station 4

D



E



Station 5

A



B



C

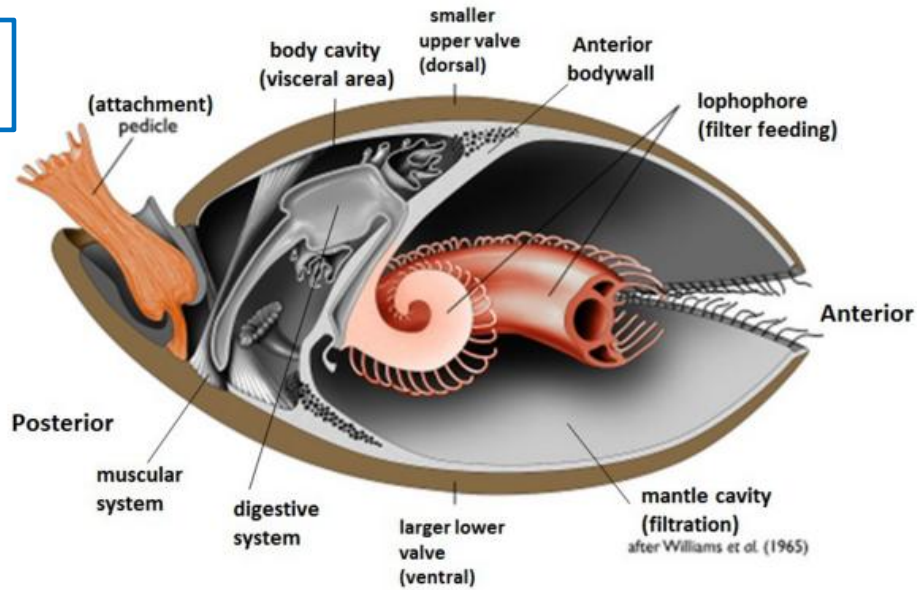


D

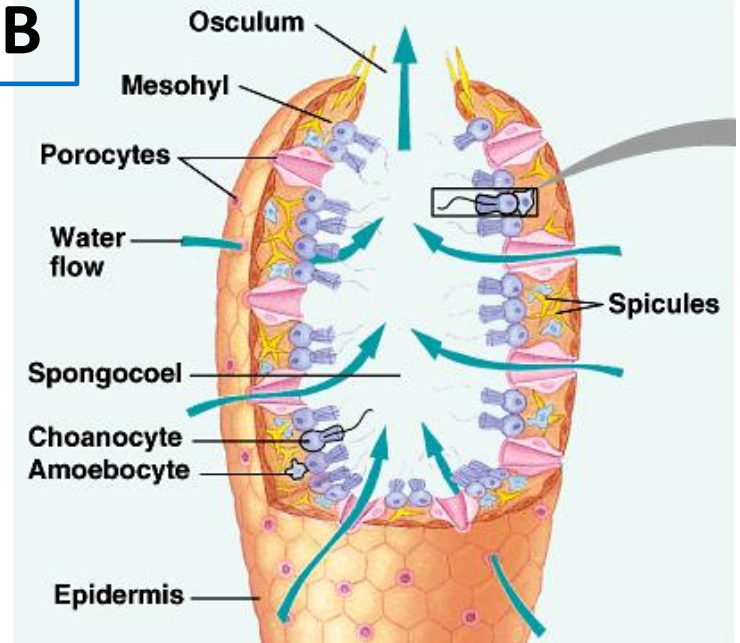


STATION 6.

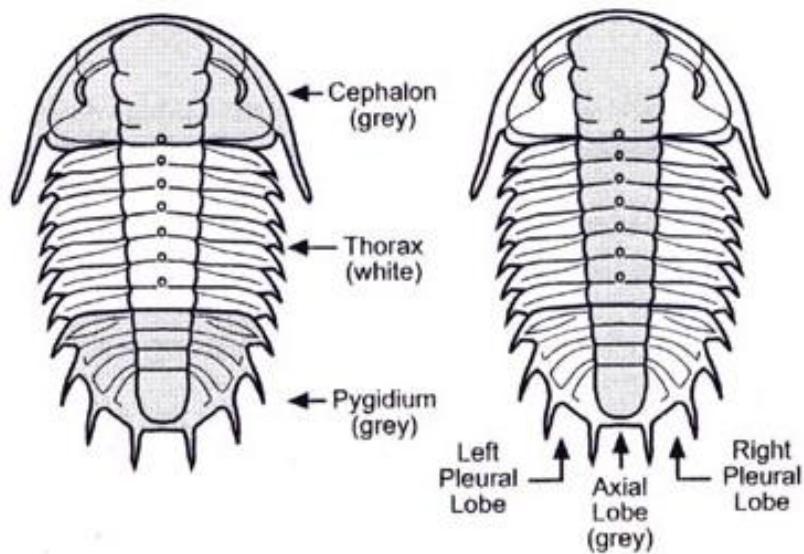
A



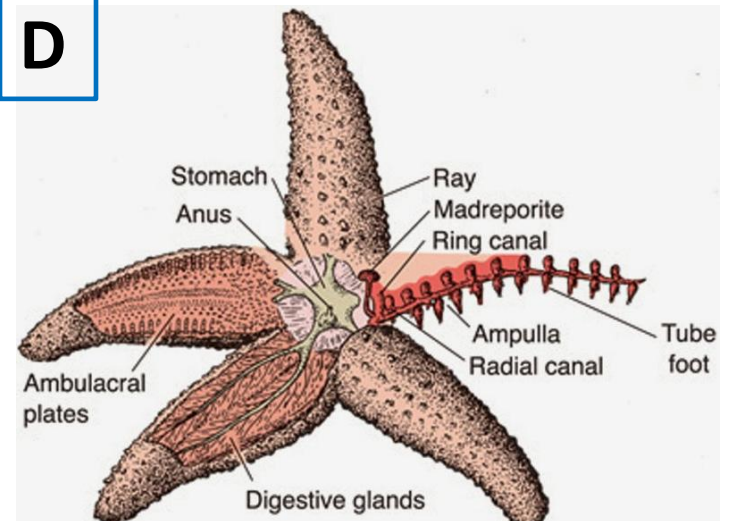
B



C



D



1. Arthropoda
 - a. Exoskeleton and jointed legs
 - b. Scorpions
 - c. False

2. Mucrospirifer Brachipod
Devonian
Pecten is not a Brachiopod
False – not pelagic

- 3 Phylum – Mollusca
-- D is a gastropod
A is not extinct
D Gastropod is a Platycephalus
TRUE (scavengers/predators)

- 4 Predators - Conus (C) and Phacops (D)
Closely related Conus and Turritella (B)
Alive today - Conus, Turritella and
Crustacea (A)
Devonian Index Fossil - Phacops
Silurian Index Fossil – Halysites (E)

5. A – Echinoidea (sea urchins here)
B - Crinoidea
C - Pentremites (blastoids)
D – Ophiuroidea (brittle star)
they are 5-sided/armed
Pentremites (blastoids) are extinct

6.
A – Brachipoda
B – Porifera
C – Arthropoda
D – Echinodermata

A and B are sessile
A and B are filter feeders
Trilobites (C) are now extinct.
Starfish deploy a vascular system
for movement.