

STATION 1

Can you name this fossil ?

Phylum _____



Class _____

Genus _____

When did he live?

Cambrian, Devonian, Permian, Triassic

What feature is poorly developed that identifies him as a early member of his Class? _____

The upper smooth part of his body is his:

pygidium, thorax, spicule, cephalon, euphyra

TRUE OR FALSE: This creature was sessile and benthic.

STATION 3 -- refer to specimen in box

see page 4 for pictures for online version

Three of these fossils are from the same Phylum. Can you:

a) Name the common Phylum for 3 of them _____

b) Identify the Genus of the specimen that is a different Phylum.

Cnidaria, Anthozoa, Malacostraca, Isotelus, Favosites

Can you name the class for specimen:

A. _____ C. _____

B. _____ D. _____

Which specimen has sutures ? A, B, C, D

STATION 2 --- refer to specimen in box

see page 3 for pictures for online version

Identify the Phylum of each specimen

F5. _____

F7. _____

F6. _____

F8. _____

Which of these fossils were sessile? F5, F6, F7, F8

Which of these fossils is in the Cephalopoda Class? _____

Which organism survived the Cretaceous extinction _____

Can you name the Genus for F8 ? _____

STATION 4 - refer to specimen in box

see page 5 for pictures for online version

Which of these shells is/are fossil(s) ?

A , B, C, D

Shell D is from which Phylum

Porifera, Brachipoda, Cnidaria, Echinodermata, Arthropoda

Which shell(s) are from the Mollusca Phylum

A , B, C, D

Which organism was/were pelagic swimmers?

A, B, C, D

Which organism was benthic and sessile ?

A, B, C, D, None

STATION 5 --- see page 6 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 6 : Match the Fossil name to his Geologic Period

- | | |
|--------------------|---------------|
| Dactyloceras _____ | A. Cretaceous |
| Pecten _____ | B. Silurian |
| Archimedes _____ | C. Cambrian |
| Mucrospifer _____ | D. Jurassic |
| Orthoceras _____ | E. Permian |
| Belemnitella _____ | F. Devonian |
| Elrathia _____ | G. Recent |

Circle the Genus on the left that are in Phylum Mollusca

STATION 7

Which of the following statements is/are 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.

STATION 2.

F5



F6



F7



F8



STATION 3.

A



B



C

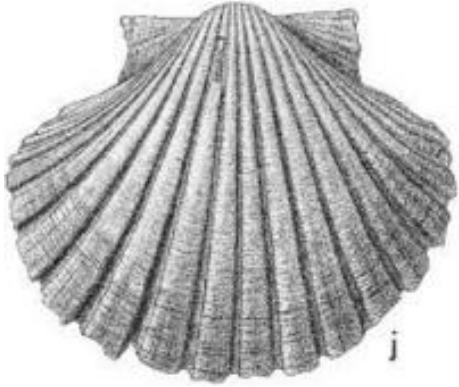


D



STATION 4.

A



B



C

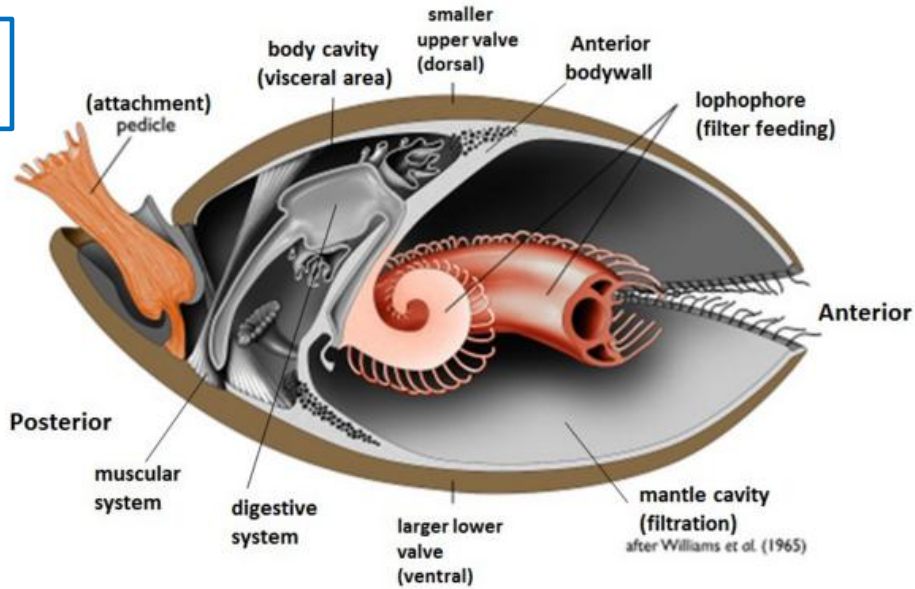


D

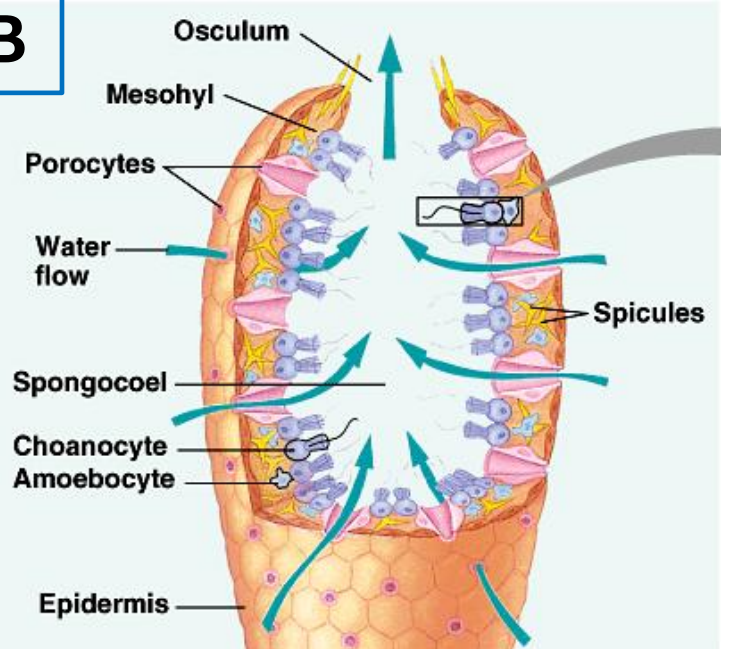


STATION 5.

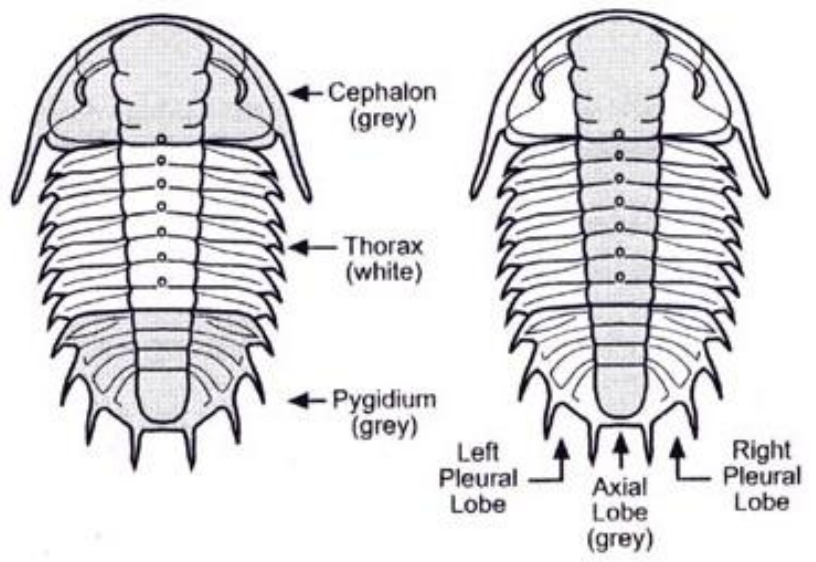
A



B



C



D

