

STATION 1

Identify each type of coral in the images provided:

A _____ B _____

C _____ D _____

Which coral's thecae appear as a tightly-packed, hexagonal arrangement?

A B C D

Which solitary, rugose coral generally added a new growth layer each day. By counting them, paleontologists calculated that there were ~400 days in a year in the Devonian Period.

A B C D

Which coral is NOT a Paleozoic animal?

A B C D

STATION 3

Record the Class of each animal : A _____

B _____ C _____ D _____

E _____ F _____

Which of the Cephalopods above went extinct at the same time as the Triceratops Dinosaur ? _____

Referring to specimen f, which statement below is true:

- a. This creature used its gills for filter feeding.
- b. This creature actively crawled on a large muscular foot.
- c. This creature lived gregariously (i.e. in large groups/colonies)

True or False: Ophiuroidea are another animal in the same Phylum as all these animals.

STATION 2 Choose your answers from the following:

Sandstone Shale Amber Limestone Chalk Diatomite

Which is the most likely to contain a dinosaur bone? _____

Which is not going to contain an Arthropod fossil? _____

Which is a coarse grained clastic rock ? _____

Which is a fine-grained silica rock of biologic origin? _____

Which rock can completely preserve Arthropods? _____

STATION 4 --

Which of these animals does not fit with the others:

_____, Why? _____

Now try again, find another reason why a different one of these animals does not fit with the others:

_____, Why? _____

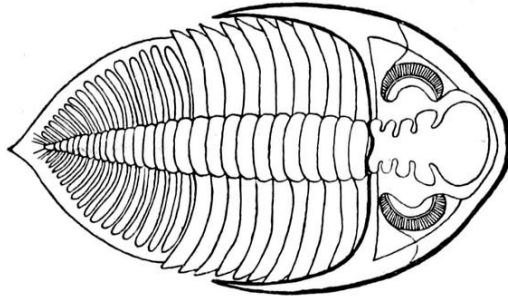
How many can you name?

A _____ B _____ C _____

D _____ E _____

STATION 5 Label the following parts on this Trilobite

- A. Cephalon
- B. Pleural lobe
- C. Axial lobe
- D. Globella
- E. Pygidium
- F. Thorax



What is the material that held many of these body part together? _____

When did this Class of animals first appear? _____

When did this Class of animals go extinct? _____

STATION 6

Name the Phylum of these animals: _____

Which of the Genus represented in the pictures opens and closes differently than the others A B C D E

Name the Genus _____ and the term used to describe this characteristic _____

What is the name for the top valve/shell in A? _____

What is the name for the bottom valve/shell in A? _____

Can you name the genus for A _____

B _____

TRUE or FALSE: These animals are filter feeders.

TRUE OR FALSE: These animals are pelagic.

STATION 7

Name the Phylum and subgroup that these fossils belong to

	Phylum	Subgroup	Preservation
A	_____	_____	_____
B	_____	_____	_____
C	_____	_____	_____
D	_____	_____	_____

Indicate the presevation process for each from the following list

- | | | | |
|---------------------|---------------|---------------|----------------|
| Cast | Internal Mold | External Mold | Actual Remains |
| Mineral Replacement | Petrification | Carbonization | |

Station 1



a



b



c



d

Station 3

a



b



c



d



e



f



Station 4

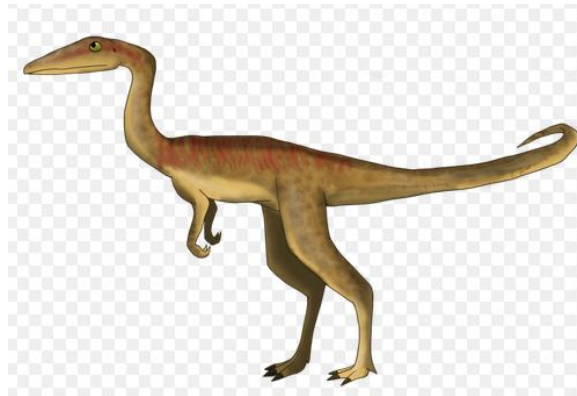
B



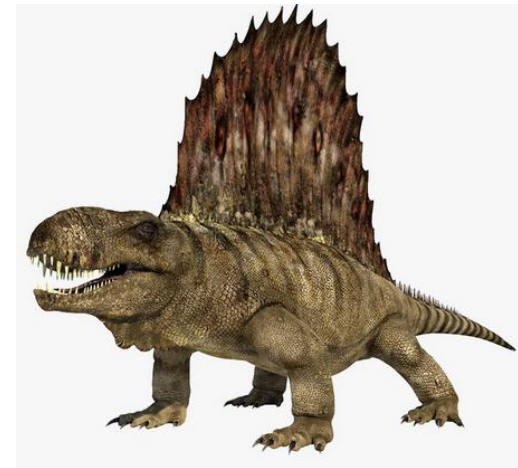
C



D



E



Station 6



Station 7

A



B



C



D



1.

- a. Halysites
- b. Septastraea
- c. Hexagonaria
- d. Heliophyllum

Tightly packed thecae – C
 400 days in Devonian – D
 B is not Paleozoic

2.

Shale
 Chalk
 Sandstone
 Chromista
 diatomite
 amber

3

- a. Cephalopod
- b. Cephalopod
- c. Bivalve
- d. Gastropod
- e. Cephalopod
- f. Gastropod

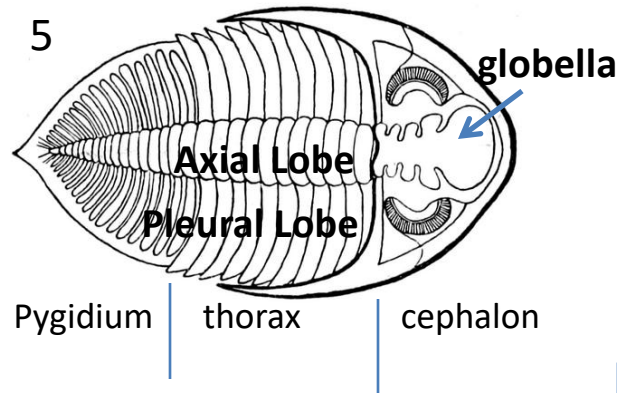
A and E went extinct with Triceratops
 b. Is true relative to F.
 False – Ophiuroidea are echinoderms

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- a. Velociraptor
- b. Tyrannosaurus
- c. Iguanodon
- d. Coeleophys
- e. Dimetrodon

E is not a dinosaur
 C (of the 4 dinosaurs,
 Iguanodon were
 herbivores

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Pygidium thorax cephalon

chitin
 Cambrian
 P-T Extinction

6. Brachipods
 (D) Lingula (inarticulate)
 Pedicle, brachial
 A Composita
 B Platystrophia
 True, False

7. All Mollusca Phylum
 Gastropod – internal mold
 Cephalopod – replacement
 Bivalve – actual remains
 Cephalopod – replacement
 (pyrite)