

STATION 1 – 4 pictures on next page

Which of these fossils is a Protozoan?

A , B, C, D

You can find these fossils in the pyramids of Egypt.

Nummulites, Archimedes, Corals, Bryozoa, Halysites

Which of these fossils is a solitary coral ?

A, B, C, D

Which of the fossils is the youngest ?

A, B, C, D

Circle all fossils that could be Devonian in age

A, B, C, D

STATION 2 (see pictures on page 3 for part of this question)

Which of the following fossils has silica spicules ?

Septastrae, Anthozoa, Astraeospongia, Forams

TRUE OR FALSE -- Sponges are excellent trace fossils

TRUE OR FALSE - Porifera lack stomachs

Is the large fossil (A) older or younger than the Cretaceous?

What is it ? -----

What is the smaller fossil (B)? _____

STATION 3

Which Paleozoic creature is most often preserved by carbonization?

Archimedes, Halysites, Nummulites, Favosites, Graptolite

Can you identify the three fossils in this box (and their Phylum)?

_____ from Phylum _____

_____ from Phylum _____

_____ from Phylum _____

STATION 4 (see pictures on page 3 for part of this question)

Which of these Phylum contain species that might be mistaken for pencil marks on rocks

Porifera, Hemichordata, Cnidaria, Foraminifera, Bryozoa

Which of the following is NOT a method of fossil preservation?
Silicification, petrification, calcification, metamorphism

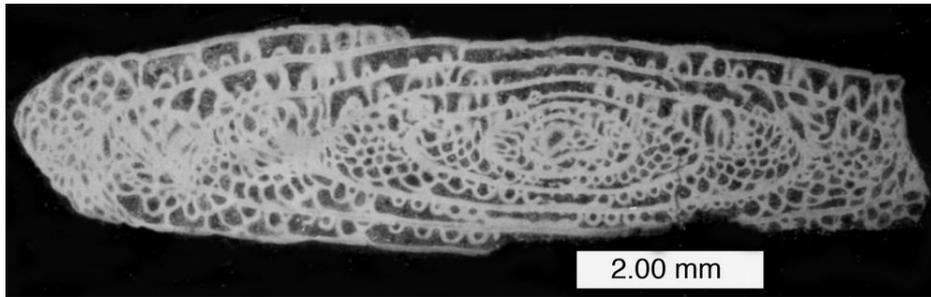
Graptolites are usually preserved by :
Silicification, sulfides, carbonization, calcite

Can you identify the fossil in Station 4 ? _____

and its Phylum _____

Station 1

A.



B.



C.



D.



True/False Questions:

1. Sponges have nematocysts which they use to capture prey. T F
2. *Rhombopora* are colonial mm size organisms that live in zooecium. T F
3. Although there are foraminifera alive today, fusulinids are extinct. T F
4. *Septastraea* lived into the Pleistocene Epoch. T F
5. Sponges have lopophores. T F
6. The spicules on *Astraeospongia* are comprised of silica. T F
7. Cnidaria went extinct at the end of the Paleozoic Era. T F
8. *Nummulites* are the most primitive form within the Animalia Kingdom. T F
9. *Hydnoceras* can be found in Ordovician limestones T F
10. Corals do not thrive in turbid deep water locations. T F

Answers

Station 1:

A and B are Protozoans

Nummulites are in pyramids

C is a solitary coral

B (*Nummulites*) is youngest

A and C could be Devonian

Station 2:

Astraeospongia has silica spicules

FALSE

TRUE

Fossil A is *Favosites*

Fossil B is *Fusulinida* forams

True/
False

1 – F

2 – T

3 – T

4 – T

5 – F

6 – T

7 – F

8 – F

9 – F

10 – T

Station 3:

Grapolites (carbonization)

Heliophyllum - Cnidaria

Archimedes – Bryozoa

Astraeospongia - Porifera

Station 4:

Hemichordata

Metamorphism

Carbonization

Hexagonaria - Cnidaria