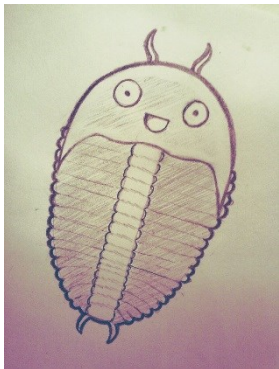


1 TRILOBITE

Marine
Nonmarine
Either

Phylum: **Arthropod**

Class: **Trilobita**

Symmetry: **Bilateral**

Summarize the most useful characteristics for recognizing this organism:

**2 AMMONOID
CEPHALOPOD**

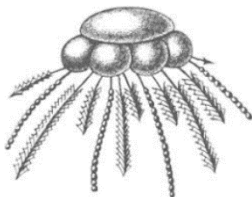
Marine
Nonmarine
Either

Phylum: **Mollusca**

Class: **Cephalopod**

Symmetry: **Bilateral**

Summarize the most useful characteristics for recognizing this organism:

3 GRAPTOLITE

Marine
Nonmarine
Either

Phylum: **Hemichordata**

Class: **Pterobranchia**

Summarize the most useful characteristics for recognizing this organism:

4 BRACHIOPOD I /'brækiəpɔ:d/



Marine
Nonmarine
Either

Phylum: **Brachiopoda**

Class: Lophotrochozoa (or Lophophorata)
(ambiguous, consider remove)

Age: **Cambrian - present**

Symmetry: Bilateral

5 BIVALVE Sketch top and side views (PELECYPOD)



(Mostly)**Marine**
Nonmarine
Either

Phylum: **Mollusca**

Class: **Bivalvia**

Symmetry: **bilateral**

Summarize the most useful characteristics for recognizing this organism:

6 BRACHIOPOD II Sketch top and side views



Marine
Nonmarine
Either

Phylum: **Brachiopoda**

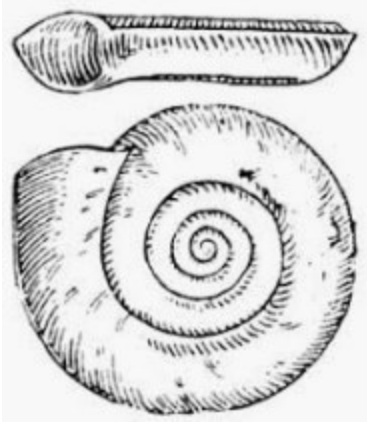
Class: Lophotrochozoa (or Lophophorata)
(ambiguous, consider remove)

Age (from label): **Cambrian - present**

Symmetry: **Bilateral**

Describe the difference in symmetry between bivalves and brachiopod II:

7 GASTROPOD (SNAIL)



Marine
Nonmarine
Either

Phylum: **Mollusca**

Class: **Gastropoda**

Symmetry: **Bilateral** (modern ones are usually asymmetrical)

Summarize the most useful characteristics for recognizing this organism:

8 NAUTILOID CEPHALOPOD



Marine
Nonmarine
Either

Phylum: **Mollusca**

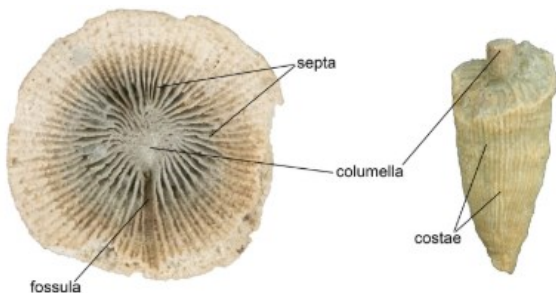
Class: Cephalopoda

Age: Cambrian - present

Symmetry: **Bilateral**

Describe how to distinguish a gastropod from a cephalopod:

9 CORAL 1 (RUGOSE or HORN CORAL)



Marine
Nonmarine
Either

Phylum: **Cnidaria**

Class: **Anthozoa**

Age (from label): **Ordovician - Permian**

Symmetry: **bilateral**

Solitary or Colonial? **Can be both**

10 CRINOID STEM



Marine
Nonmarine
Either

Phylum: **Echinodermata**

Class: **Crinoidea**

Age: **Cambrian to present**

Symmetry: **Radial**

How can you distinguish this organism from rugose corals and nautiloid cephalopods:

11 BRYOZOAN /ˌbraɪ əˈzoʊ ən /



Marine
Nonmarine
Either

Phylum: **Bryozoa / Ectoprocta**

Age: **Ordovician to present**

Solitary or **colonial?** (mostly)

12 CORAL 2 (TABULATE)



Marine
Nonmarine
Either

Phylum: **Cnidaria**

Class: **Anthozoa**

Symmetry: **radial**

Solitary or **Colonial?** (mostly colonial)

13 PLANT



Kingdom **Plantae**

Age: **Ordovician - present**

Marine
Nonmarine
Either

14 TREE (PETRIFIED WOOD)



Kingdom: **Plantae**

Marine
Nonmarine
Either

15 TRACE FOSSIL



Name: **Burrow**

How can you distinguish body fossils from trace fossils?

Marine
Nonmarine
Either



1- 5

6-10

11-15