

STATION 1

This is a popular dinosaur play set. Which two lettered toys do not belong? Can you name them?

Letter ___ is a _____

Letter ___ is a _____

How many of the dinosaurs appear on the Official 2015 list _____

Name the the hadrosaur in the toy set by name _____

Name the two Jurassic herbivores _____

and _____

STATION 2

What Geologic Period is most likely depicted ? _____

Name the Phylum A _____

B _____

C _____

D _____

YES or NO: Could a Placoderm swim into this picture?

TRUE OR FALSE: There could be Fusulinids accumulating on the seafloor at this time.

STATION 3

Identify the Class of both Genus: _____

And the Genus of each: A _____ B: _____

Genus A possessed a horny plate to close off its aperture when retracted into its shell. What was this plate called: _____

When did Genus A go extinct: _____

Which Genus was a filter-feeder: _____

Which Genus was a predator: _____

A shell of which Genus might have been stepped on by a Triceratops? _____

STATION 4 --

Identify this fossil specimen by genus: _____

What major extinction event did this genus survive ? _____

During what Geologic Period was this species the dominant land animal? _____

What does the genus name mean? _____

What other mammal-like reptile did this genus live with? _____

TRUE OR FALSE: This animal was a carnivore. _____

STATION 5

Identify the genus _____

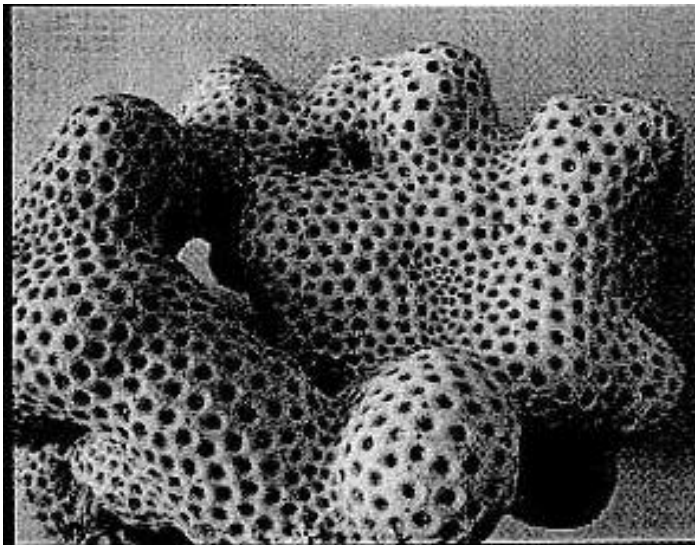
Identify the phylum _____

What is the sessile stage of this organism's life cycle called? _____

What is the organism's mode of feeding? _____

Circle the terms listed below that are associated with animals in this phylum

- | | | |
|-------------|-----------|----------|
| Nematocysts | lopophore | carapace |
| Corallites | rugose | podia |
| Medusa | chitin | septa |



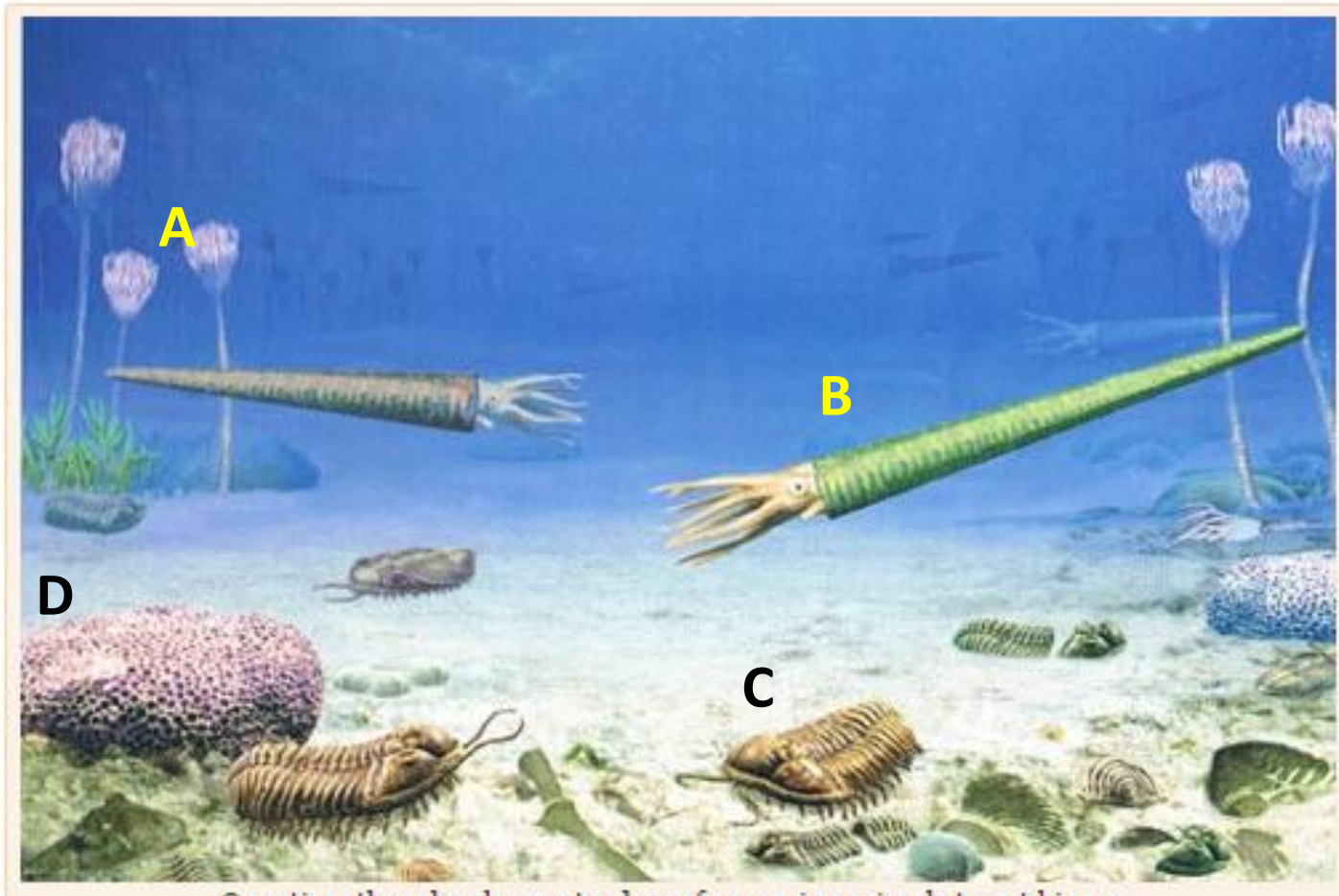
Associate the feature on the left which best fits with the animal/plant on the right. You may use the same animal/plant more than once:

- | | |
|------------------------|--------------------|
| Calyx _____ | A. Batoidea |
| Coprolite _____ | B. Acer |
| Osculum _____ | C. Stegasaurus |
| Axial lobe _____ | D. Parasaurolophus |
| Siphuncle _____ | E. Sponge |
| Spicule _____ | F. Echniodermata |
| Scutes _____ | G. Asteroidea |
| Bacterial mat _____ | H. Fern |
| Vascular system _____ | I. Dinosaur |
| Cranial crest _____ | J. Belemnites |
| Plastid _____ | K. Crinoid |
| Pectoral fin _____ | L. Isotelus |
| 5-fold symmetry _____ | M. Stromatolite |
| Hadrosaur _____ | |
| Podia _____ | |
| Pre-Cambrian Era _____ | |
| Cephalon _____ | |

Station1



Station 2



Over time there has been a tendency for marine animals to eat bigger

Station 3

A



B



Station 4



Station 1

I is a Dimetrodon

K is a Pleisosaur

5–7 are on your list, none on bottom row

Hadrosaur – Parasauropus

Jurassic herbivores

B – Apatosaurus H - Stegasaurus

Station 4 -- Lystrosaurus

Permian-Triassic extinction

Triassic (Early)

Shovel lizard (shape of head)

Dimetrodon

False

Station 2

Ordovician (Silurian might be OK also)

A – Echinodermata

B – Mollusca

C – Arthropoda

D – Cnidaria

No if you picked Ordovician

True for Fusulinids

Station 5

Septastrea

Cnidaria

Polyp

Filter feeder

Nematocysts

Corallites

Medusa

rugose

Station 6

Calyx – K

Coprolite – I, C, D

Osculum – E

Axial Lobe – L

Siphuncle – J

Spicule – E

Scutes – D

Bacterial Mat – M

Vascular System – F

Cranial Crest – D

Plastid – B, H

Pectoral Fin – A

5-fold symmetry – F, G

Hadrosaur – D

Podia – G, F

Pre-Cambrian Era – M

Cephalon - L

Station 3. Class – Gastropod

A – Turritella, B – Conus

Operculum

Genus A is not extinct

Turritella – filter feeder, Conus – predator

Triceratops could step on Turritella