

WORKSHEET 2

CHAPTER 3 – DIVERSITY IN LIVING ORGANISM

A. Tick (✓) the correct option.

- The locomotory organs of Echinodermata are
 - tube feet.
 - muscular foot.
 - jointed legs.
 - parapodia.
- Which of the following is not classified as plants?
 - Algae
 - Ferns
 - Angiosperms
 - Mushroom
- Blood filled cavity in arthropods is _____
 - haemocoel.
 - coelomic cavity.
 - pseudocoel.
 - acoelomic cavity.
- Skeleton is made entirely of cartilage in
 - sharks.
 - tuna.
 - rohu.
 - none of these.
- Amphibians do not have the following:
 - Three chambered heart
 - Gills or lungs
 - Scales
 - Mucous glands

B. Name the phylum to which the following belong.

- Silver fish
- Sea cucumber
- Sea horse
- Jellyfish
- Starfish

C. Match the column.

- | | |
|--------------------------------|----------------------|
| 1. Protochordata | (a) Carolus Linnaeus |
| 2. Binomial nomenclature | (b) Bryophyta |
| 3. Amphibians of plant kingdom | (c) Echinodermata |
| 4. Naked seed | (d) Amphioxus |
| 5. Spiny skinned animals | (e) Gymnosperms |

D. Give two examples of each of the following.

- Division Bryophyta
- Phylum Coelenterata
- Kingdom Protista

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4. Sub-division Gymnospermae
5. Phylum Mollusca.

E. Answer the following questions.

1. Give any two differences between Bryophyta and Pteridophyta.
2. What is binomial nomenclature? Illustrate with one example.
3. Draw a well labeled diagram of *Paramecium*.
4. Which organisms are called primitive and how are they different from the so-called advanced organisms?
5. Which phylum have the following characteristics ? Give one example of each.
 - (i) Animals without tissues, body bearing pores.
 - (ii) Unsegmented soft bodied having a calcareous shell, ventral foot and mantle.
 - (iii) Body segmented, jointed legs, compound eyes.

ANSWERS

WORKSHEET 2

A. Tick (✓) the correct option.

1. a. 2. d. 3. a. 4. a. 5. c

B. Name the phylum to which the following belong.

1. Arthropoda
2. Echinodermata
3. Chordata
4. Coelenterata
5. Echinodermata

C. Match the column.

1. d 2. a 3. b 4. e 5. c

D. Give two examples of each of the following:

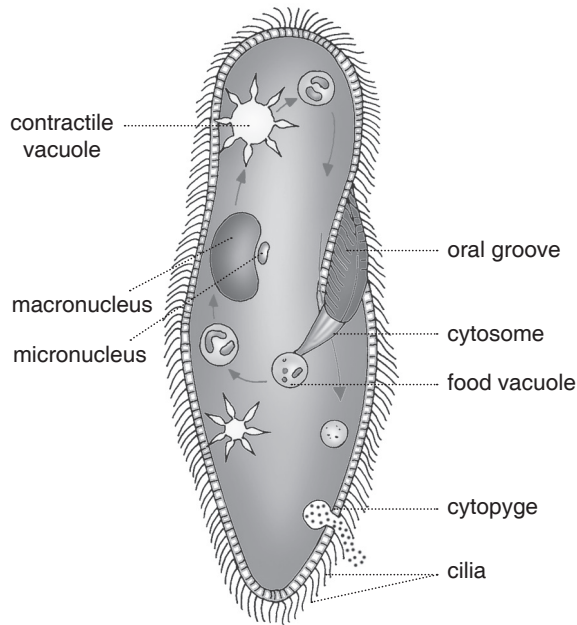
1. *Riccia*, *Marchantia*
2. Hydra, sea anemone
3. *Euglena*, *Paramecium*
4. *Cycas*, *Pinus*
5. *Pila*, octopus

E. Answer the following questions:

1.	Bryophyta	Pteridophyta
	(i) Do not have root	(i) Have roots
	(ii) Vascular tissues absent	(ii) Vascular tissues present

2. Binomial nomenclature means a two-name system of naming. Under binomial system of nomenclature, each organism has a scientific name consisting of two parts, first part is genus and second part is the species. For example – the scientific name of tiger is *Panthera tigris*.

3. *Paramecium*



4. The group of organisms which have ancient body design and have not changed much are called primitive organisms. They are different from the advanced organisms as they have acquired their particular body design recently.
5. (i) Porifera, for example – *Sycon*
(ii) Mollusca, for example – *Unio*
(iii) Arthropoda, for example – Cockroach.