



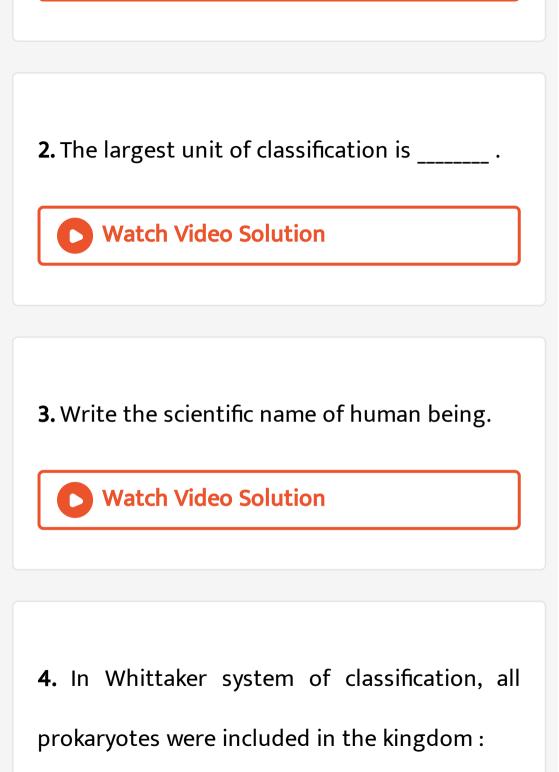
BIOLOGY

BOOKS - ICSE

CLASSIFICATION OF THE LIVING WORLD

Exercises Fill In The Blanks

1. The basic/smallest unit of classification is



(a) Monera

(b) Protista

(c) Fungi

(d) Mychota

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5. Name the locomotory organs of Amoeba.

6. One of the major components of cell wall of

most fungi is

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7. In the five kingdom classification, Chlamydomonas and Chlorella have been included in

8. Organisms belonging to the phylum Porifera

are called_____.

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9. Polyp and are two forms of Phylum Cnidaria.



10. All vertebrates are chordates but all chordates are not vertebrates. Justify the statement.



Exercises Choose The Correct Option

1. Bacteria do not possess :

(a) cell wall

(b) ribosome

(c) mitochondria

(d) plasma membrane

A. chitin

B. cellulose

C. peptidoglycan

D. collagen

Answer:

2. During multiple fission, Amoeba gets modified to form a

A. cyst

B. spore

C. cell wall

D. plasma membrane

Answer:

3. The absorptive organs produced inside the host cell by parasitic fungal mycelia are called

A. ferns

.

B. mosses

C. moulds

D. bacteria

Answer:

4. Assertion: Mosses are of great ecological importance.

Reason: Mosses prevent soil erosion by

forming dense mat on the soil

A. Monera

B. Protista

C. Fungi

D. Plantae

Answer:

5. Liver flukes belong to the phylum

A. Platyhelminthes

B. Nematoda

C. Annelida

D. Mollusca

Answer:

6. Tube feet are found in organisms belonging

to the phylum

A. Porifera

B. Mollusca

C. Arthropoda

D. Echinodermata

Answer:

7. Segmented worms belong to the phylum

A. Nematoda

B. Annelida

C. Platyhelminthes

D. Cnidaria

Answer:

8. Radula is found in

A. Sponges

B. Cnidarians

C. Molluscs

D. Echinoderms

Answer:

9. Frogs belong to the class

A. Amphibia

B. Aves

C. Mammalia

D. Reptilia

Answer:

10. Animals which suckle their babies belong

to the class

A. Amphibia

B. Aves

C. Mammalia

D. Pisces

Answer:

1. Plants are autotrophic. Can you think of

some plants that are partially heterotrophic?

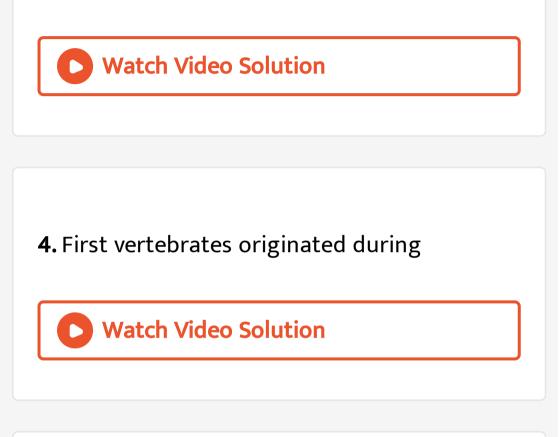
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2. Bacterial cell has a true nucleus. Is it true or

false.

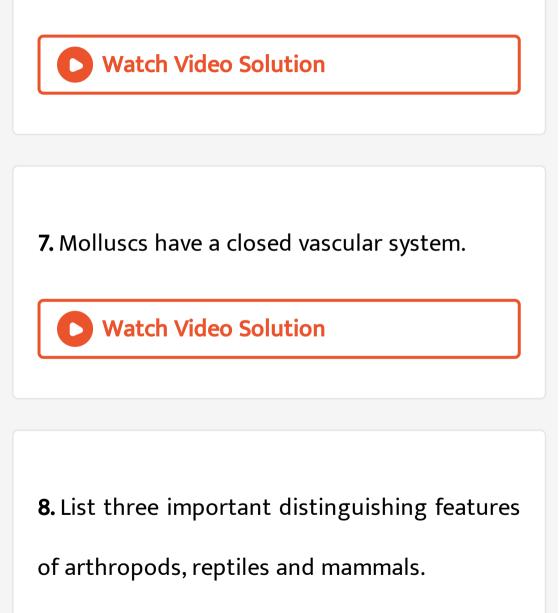
3. [A] : Fungi are either saprobes or parasitic .

[R] : Fungi posses haustorium .



5. Cytoskeleton is made up of

6. A genus is made of families.



9. Food vacuoles are present in amoebas.



10. Fungi reproduce by producing spores.

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Exercises Answer The Following

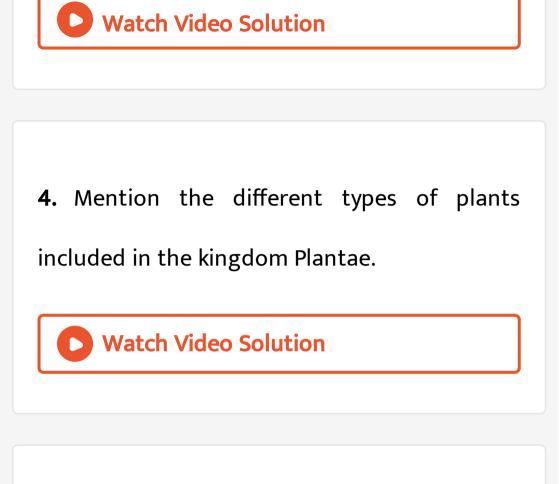
 Describe the structural features of a bacterium. Categorise bacteria according to their shape.



2. Describe the structural features of Amoeba.



3. How do fungi differ from plants?



5. What are the different forms of algae?



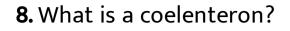
6. Distinguish between naked-seeded and closed-seeded plants.

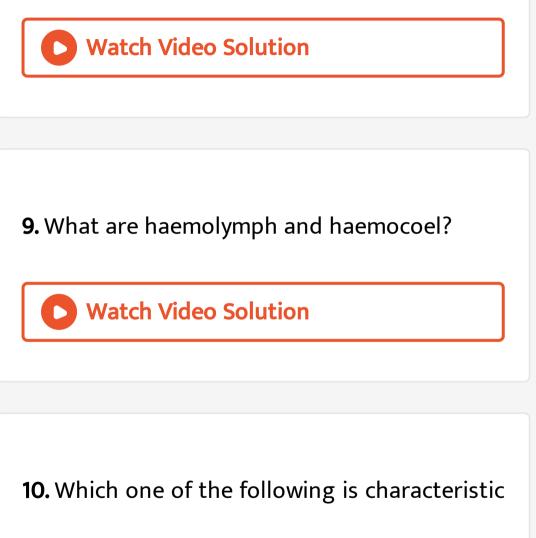
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7. What are parasites? Name two parasitic

organisms each from the phyla

Platyhelminthes and Nematoda.





of mammals only?

Exercises Explain In Brief

1. How is classification helpful in the study of

the living world?

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2. What is binomial system of naming organisms?

3. In which ways are bacteria useful to our

environment and us?

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4. What is the role of the pseudopodia in

nutrition and locomotion in Amoeba?

5. How does an encysted Amoeba reproduce

on return of facourable conditions ?

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6. Describe the importance of mycorrhiza,

cyanobacteria and bacteria as biofertilisers.

7. Mention three useful and three harmful effects of fungi.
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8. Name the phyla into which invertebrates are divided. Give two characteristics and two examples of organisms belonging to each phylum.



9. A distinguishing feature of cnidarians is the

presence of



10. What is the significance of tube feet in

echinoderms?

11. What do you understand by 'cold blooded? Write two characteristics each of three types

of cold blooded vertebrates.



12. What are the characteristic features of

birds?