

## Chapter- 3

### Worksheet-1

1. Five kingdom classification of living organisms is given by \_\_\_\_\_.
2. A fungus \_\_\_\_\_ can be seen without microscope.
3. Assertion (A): Amphibians have gills as well as lungs for respiration.  
Reason (R): Amphibians were the first animals to come out of water.
  - (a) Both A and R are true and R is the correct explanation of A.
  - (b) Both A and R are true but R is not the correct explanation of A.
  - (c) A is true but R is false.
  - (d) A is false but R is true.
4. Among the following choose the correct option that best describes the characteristics of spirogyra.
  - (a) Multicellular, auto trophic, root like rhizoids.
  - (b) Cytoplasmic strands, autotrophic, presence of rhizome.
  - (c) Presence of male cones, nonvascular, filaments.
  - (d) Filamentous, presence of Cytoplasmic strands, presence of pyrenoids.
5. Which among the following have scales?

(i) Amphibians

(ii) Pisces

(iii) Reptiles

(iv) Mammals

(a) (i) and (iii)

(b) (iii) and (iv)

(c) (ii) and (iii)

(d) (i) and (ii)

6. The feature that is not a characteristic of protochordata?

(a) Presence of notochord

(b) Bilateral symmetry and coelom

(c) Jointed legs

(d) Presence of circulatory system

7. Exclusive marine phylum is

(a) Echinodermata

(b) Porifera

(c) Cnidarians

(d) Protozoa

8. Meena and Hari observed an animal in their garden. Hari called it an insect while Meena said it was an earthworm. Choose the character from the following which confirms that it is an insect.
- (a) Bilateral symmetrical body
  - (b) Body with jointed legs
  - (c) Cylindrical body
  - (d) Body with little segmentation
9. The international Code of Biological Nomenclature provides the scientific nomenclature for every organism that consists of the genus name and the species name of the organism. Can you guess who introduced this system of binomial nomenclature of the organisms?
- (a) Carolus Linnaeus
  - (b) Robert Hooke
  - (c) Robert Whittaker
  - (d) Ernst Haeckel
10. Differentiation in segmental fashion occurs in
- (a) Leech
  - (b) Starfish
  - (c) Snails
  - (d) Ascaris

11. Name the phylum of the following organisms, whose exclusive characteristics is given below:
  - (a) Hollow bones
  - (b) Jointed appendages
  - (c) Flat worm
  - (d) Round worms, parasitic
  - (e) Soft body, muscular marine animal
  - (f) Radially symmetrical, spiny skin.
  
12. Draw the diagram of Spirogyra and label the following parts:  
Cell wall, Pyrenoids, Nucleus, Chloroplast
  
13. Explain the following terms:
  - (a) Bilateral symmetry
  - (b) Triploblastic animals and
  - (c) Open circulatory system
  
14. What is the basis of classification?
  
15. Name one organism which has both plant like and animal like features.
  
16. What do you mean by a symbiotic relationship?
  
17. Differentiate between monocotyledons and dicotyledons.
  
18. Endoskeleton of fishes are made up of cartilage and bone. Classify the following fishes as cartilagenous or bony:  
Torpedo, Sting ray, Dog fish, Rohu, Angler fish, Exocoetus

19. Mention 2 similarities and 2 differences between Aves and Mammals.
20. Explain using a flow chart the various divisions of kingdom plantae.

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