



Class 11 Biology | Biological Classification

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. An organism lacks a nuclear envelope but has ribosomes. It belongs to

- A. Fungi B. Monera C. Plantae D. Protista

2. A bacterium survives in a highly saline lake. It is most likely a

- A. Ascomycete
B. Diatom
C. Halophilic archaebacterium
D. Slime mould

3. Which structure supports nitrogen fixation in Nostoc?

- A. Basidium B. Capsid C. Pellicle D. Heterocyst

4. Diatom deposits are useful in filtration mainly because their walls contain

- A. Cellulose alone B. Peptidoglycan
C. Chitin D. Silica

5. An organism photosynthesises in light and feeds heterotrophically in darkness. Choose it.

- A. Plasmodium B. Amoeba
C. Euglena D. Rhizopus

6. A fungus has aseptate coenocytic hyphae and forms sporangiospores. Identify it.

- A. Alternaria B. Penicillium
C. Rhizopus D. Agaricus

7. Sexual spores formed inside sac-like structures are

- A. Conidia B. Zoospores
C. Basidiospores D. Ascospores

8. Which fungal group forms spores externally on club-shaped structures?

- A. Ascomycetes B. Deuteromycetes
C. Phycomycetes D. Basidiomycetes

9. In lichens, the algal partner mainly provides

- A. Chitin B. Organic food
C. Antibodies D. Mineral shelter only

10. Why do antibiotics targeting cell-wall synthesis fail against Mycoplasma?

- A. It lacks a cell wall B. It has no ribosomes
C. It has a silica wall D. It is a virus

11. A virus differs from a viroid in possessing a

- A. Nucleic acid
B. Small size
C. Capacity to infect plants
D. Protein coat

12. In most bacteriophages, genetic material is

- A. Only protein B. Lipid C. DNA D. Cellulose

13. Which stage of fungal sexual reproduction fuses nuclei?

- A. Karyogamy B. Germination
C. Budding D. Plasmogamy

14. Red tides are commonly associated with rapid multiplication of

- A. Dinoflagellates B. Slime moulds
C. Yeasts D. Methanogens

15. An infectious agent consisting of misfolded protein is a

- A. Diatom B. Viroid C. Bacterium D. Prion

ANSWER KEY — check after completing all 15 questions

1.B 2.C 3.D 4.D 5.C 6.C 7.D 8.D 9.B 10.A 11.D 12.C 13.A 14.A 15.D

Original exam-style practice • Reference notes: www.physics.guru/cbse-practice-papers/ • Not an official paper