

Chapter – 2 | Biological Classification

QUIZ PART-07

1. Plantae kingdom includes all:

- A. Prokaryotic organisms
- B. Eukaryotic chlorophyll-containing organisms
- C. Heterotrophic organisms only
- D. Non-living organisms (B)

Explanation : Plantae kingdom includes all eukaryotic chlorophyll-containing organisms commonly called plants.

2. Which of the following is a partially heterotrophic plant?

- A. Mango
- B. Rose
- C. Venus fly trap
- D. Wheat (C)

Explanation : Some members of Plantae kingdom are partially heterotrophic, such as insectivorous plants like Venus fly trap.

3. Bladderwort belongs to which category?

- A. Parasitic plant
- B. Insectivorous plant
- C. Saprophytic plant
- D. Aquatic algae (B)

Explanation : Bladderwort (Utricularia) and Venus fly trap (Dionaea) are insectivorous plants.

4. Cuscuta is an example of:

- A. Insectivorous plant
- B. Parasitic plant
- C. Algae
- D. Bryophyte (B)

Explanation : Cuscuta is listed as a parasitic plant.

5. Plant cell wall is mainly made up of:

- A. Chitin
- B. Protein
- C. Cellulose
- D. Glycogen (C)

Explanation : Plant cell wall is mainly made of cellulose.

6. Which of the following is included in Plantae kingdom?

- A. Algae
- B. Bryophytes
- C. Gymnosperms
- D. All of these (D)

Explanation : Plantae kingdom includes algae, bryophytes, pteridophytes, gymnosperms and angiosperms.

7. The two phases in the plant life cycle are:

- A. Larval and adult phase
- B. Diploid sporophytic and haploid gametophytic phase
- C. Embryonic and juvenile phase
- D. Vegetative and reproductive phase (B)

Explanation : Plants show two distinct phases: diploid sporophytic and haploid gametophytic phases.

8. Haploid spores germinate to form:

- A. Sporophytes
- B. Gametophytes
- C. Zygotes
- D. Embryos (B)

Explanation : Haploid spores germinate to form gametophytes.

9. Male and female gametes fuse to form:

- A. Haploid spore
- B. Diploid zygote
- C. Gametophyte
- D. Cell wall (B)

Explanation : Fusion of male and female gametes forms a diploid zygote from which sporophyte develops.

10. Animalia kingdom is:

- A. Smallest kingdom
- B. Largest kingdom
- C. Only unicellular kingdom
- D. Prokaryotic kingdom (B)

Explanation : Animalia is the largest kingdom.