

Chapter – 2 | Biological Classification

QUIZ PART-01

1. Who developed the two-kingdom classification system?

- A. Aristotle
- B. Carolus Linnaeus
- C. R. H. Whittaker
- D. Carl Woese (B)

Explanation : Carolus Linnaeus classified organisms into the kingdoms Plantae and Animalia.

2. Who proposed the five-kingdom classification?

- A. Carl Woese
- B. Aristotle
- C. R. H. Whittaker
- D. Carolus Linnaeus (C)

Explanation : R. H. Whittaker proposed the five-kingdom classification system in 1969.

3. Which kingdom contains prokaryotic organisms?

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

Explanation : Organisms belonging to Monera have prokaryotic cells without a nuclear membrane.

4. What is the main component of the fungal cell wall?

- A. Cellulose
- B. Peptidoglycan
- C. Pectin
- D. Chitin (D)

Explanation : Chitin

5. In which kingdom is the cell wall absent?

- A. Plantae
- B. Fungi
- C. Animalia
- D. Monera (C)

Explanation : Animal cells do not have a cell wall; they possess only a plasma membrane.

6. Who proposed the three-domain system?

- A. R. H. Whittaker
- B. R. H. Whittaker
- C. Aristotle
- D. Carolus Linnaeus (B)

Explanation : Carl Woese proposed the three domains—Archaea, Bacteria and Eukarya.

7. Which domain includes all eukaryotic organisms?

- A. Eukarya
- B. Archaea
- C. Bacteria
- D. Monera (A)

Explanation : Protista, Fungi, Plantae and Animalia are included in the domain Eukarya.

8. Which is a basis of the five-kingdom classification?

- A. Body colour
- B. Habitat only
- C. Body size only
- D. Mode of nutrition (D)

Explanation : Mode of nutrition is one of the important criteria used in the five-kingdom classification.

9. Which organism belongs to Kingdom Protista?

- A. Mushroom
- B. Bacterium
- C. Amoeba
- D. Moss (C)

Explanation : Amoeba is a unicellular eukaryotic organism placed in Kingdom Protista.

10. What was a major limitation of the two-kingdom system?

- A. It had too many kingdoms
- B. It did not separate prokaryotes and eukaryotes
- C. It excluded animals
- D. It excluded plants (B)

Explanation : The two-kingdom system could not properly distinguish prokaryotic from eukaryotic organisms or unicellular from multicellular organisms.