

BIOLOGY STANDARD XI

Worksheet 2.2 Biological Classification

Q1. Chose the correct answer :

1. Unicellular prokaryotes find his place in five kingdom classification as:
a. Monera. b. Protists. c. Fungi. d. None.
2. The oldest prokaryote is/are:
a. Archaeobacteria. b. Cyanobacteria. c. Blue-green alga. d. None.
3. Study of archaeobacteria is important because:
a. They are available in harsh conditions.
b. They differ from other bacteria in cell wall composition.
c. Both.
d. None.
4. Single-celled eukaryotes find his place as _ _ _ _ in five kingdom classification.
a. Monera. b. Protista. c. Fungi. d. None.

Q.2. What advantages does the five-kingdom classification have over the two-kingdom classification?

Q.3 Who proposed the five-kingdom classification?

Q.4. What is the basis of Whittaker's system of classification?

What are the demerits of five kingdom classification?

Q.5. Cyanobacteria and heterotrophic bacteria are very different from each other but fall under eubacteria of kingdom Monera. Is this type of grouping justified?

Q.6. Why is natural system of classification better then artificial system of classification?

References:

- 1 NCERT Text Book of Biology, Class XI
- 2 Biology Exemplar class XI

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