

BIOLOGY STANDARD XI

Worksheet 2.3 Biological Classification

Q1. Chose the correct answer :

1. Cyanobacteria are

- (a) viruses infecting bluegreen algae
- (b) cyanophycean members which infect bacteria
- (c) autotrophic prokaryotes with characteristic blue-green pigments
- (d) bacteria which infect cyanophycean algae

2. Unicellular eukaryotes are

- (a) protozoans only (b) viruses (c) bacteria (d) Protista

3. Surface free floating organisms are

- (a) nektons (b) benthos (c) phytoplanktons (d) sessile

4. Most protists are:

- (a) Aquatic. (b) Terrestrial. (c) Aerial. (d) None.

5. We classify protists into:

- (a) Chrysophyete which includes diatoms, golden algae.
- (b) Dinoflagellates which include Gonyaulax.
- (c) Euglenoids which includes Euglena.
- (d) Saprophytic protists which include slime mold.
- (e) Protozoans which includes amoeba.
- (f) All the above

- Q.2. What are the characteristic features of euglenoids?
- Q.3. Find out what do the terms “algal bloom” & “red tides” signify?
- Q.4. Compare salient features of monera & protista.
- Q.5. State an economically important use of
i) Heterotrophic bacteria. ii) Archaeobacteria.
- Q.6. Explain sexual reproduction in bacteria?
- Q.7. Distinguish between bacteria & cyanobacteria?
- Q.8. Describe the salient features of protists?
- Q.9. Diatoms are also called as ‘pearls of ocean’, why? What is diatomaceous earth?
- Q.10. Polluted water bodies have usually very high abundance of plants like Nostoc and Oscillatoria. Give reasons.

References:

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

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