Biological classification

1. How is bacteria classified on the basis of their shapes?
2. Why are red tides caused and why are they harmful?
3. What is the basis of modern classification?
4. Why are some fungi grouped under fungi imperfecti?
5. Compare the salient features of monera and protista.
6. What are the steps in the sexual cycle of kingdom fungi ?
7. What are the different groups of fungi?
8. Explain the various methods of asexual and sexual reproduction in fungi.

Plant Kingdom

1. List any three characteristic features of Bryophytes.
2. What is the role of capsule in the life history of moss?
3. What is the difference between syngamy and triple fusion?
4. What is heterospory? What is its significance?
5. The leaves in gymnosperms are adapted to withstand xerophytic condition. Justify
6. Roots of some gymnosperms have fungal or algal association.Give examples their names and role in plants.
7. Why are Bryophytes regarded as the amphibians of plant kingdom?
8. Explain briefly the alternation of generation in bryophytes
9. Classify plant kingdom.

Morphology of flowering plants

1. Flower is a modified shoDefine venation.What are the two types of venationot.Justify
2. What is rhizome ?Give two examples.
3. Differentiate between epigynous and perigynous flowers.
4. Give reasons to justify that onion bulb is a modified stem.
5. Flower is a modified shoot.Justify the statement.
6. Draw the floral diagram of the family solanaceae
7. Underground parts of a plant are not always roots.Justify the statement
8. Draw a well labelled diagram of v.s of maize seed.
9. Potato is a stem and sweet potato is a root.Justify the statement.
10. Describe the various types of placentations found in flowering plants and represent diagramatically.

Note

Complete your project work

Prepare a herbarium (5 leaves) .write the name of the plant ,type of leaf ,venation etc.