

REVISION QUESTIONS
CLASS IX
BIOLOGY

The Fundamental Unit of Life

1. Who gave the cell theory? State the theory.
2. Differentiate between-
 - a) Unicellular and Multicellular Organisms
 - b) Diffusion and osmosis
 - c) Cell wall and cell membrane
 - d) Prokaryotic and eukaryotic cell
3. Give the functions of-
 - a) Cell wall
 - b) Cell membrane
 - c) Vacuole
 - d) ER
 - e) Lysosome
4. Describe the different kinds of plastids and state their functions.
5. Compare between hypo, hyper and isotonic solutions.

Tissues

1. Name the different kinds of lateral meristem,
2. How is chlorenchyma different from collenchyma?
3. Explain the following terms-
Cyton, Intercalated discs, osteocytes, fibroblasts
4. Give three features of cardiac muscles.
5. Draw a labeled diagram of a neuron.

Diversity In Living Organisms

1. Why do we classify organisms?
2. Plants and animals are placed into different categories-explain why?
3. Explain the following terms- Haemocoel, notochord and Pseudocoelom.
4. Give the scientific names of –
 - a) Prawn
 - b) Fresh water mussel
 - c) Fresh water sponge
 - d) Jellyfish
 - e) Leech
5. In which phylum do we find compound eyes? What type of vision is found here?

Natural Resources

1. Why are biogeochemicals so called?
2. With a neat labeled diagram explain the nitrogen cycle and the carbon cycle.
3. Name some GHGs and explain their role in global warming.
4. Explain how oxygen is replenished in the atmosphere.
5. Name some important ODS.

Why Do We Fall Ill?

1. Why is it difficult to develop vaccines for viral diseases?
2. Define immunization. Mention the principle on which it is based. List two diseases for which vaccines are provided under public health program.
3. What are the different means by which infectious diseases are spread?
4. Differentiate between-
 - a) Symptoms and signs
 - b) Acute and Chronic diseases

c) Infectious and noninfectious diseases

5. What precautions would you take to justify "Prevention is better than cure" (any five precautions)

Improvement in Food Resources

1. What are the advantages of composite culture?

2. Why should preventive measures and biological control methods preferred for protecting crops?

3. What management practices are common in dairy and poultry farming?

4. What are the advantages of intercropping and crop rotation?

5. Differentiate between capture fishing, mariculture and aquaculture.