

10th Science Important 2-Mark Questions (English Medium)

Physics Questions:

1. Define acceleration. State its SI unit.
2. Write the differences between distance and displacement.
3. State Ohm's law and write its mathematical expression.
4. An object is placed at a distance of 30 cm from a concave lens of focal length 15 cm. List four characteristics (nature, position, etc.) of the image formed by the lens.
5. Write any two uses of convex mirrors.
6. Explain critical angle with an example.
7. What is the principle of an electric generator?
8. State Fleming's left-hand rule and its applications.
9. Define refraction. Give one example.
10. What happens to the image of an object when it is placed at the focal point of a convex lens?

Chemistry Questions:

1. Write the chemical formula of washing soda and baking soda.
2. Explain the term 'corrosion.' Write one way to prevent it.
3. Define the term alloy and give two examples.
4. What is pH? What does a pH of 7 indicate?
5. Write any two physical properties of ionic compounds.
6. What are hydrocarbons? Write examples of two saturated hydrocarbons.
7. Write the balanced chemical equation for the reaction between sodium and water.
8. State the law of conservation of mass with an example.
9. Differentiate between acids and bases with two examples.
10. Mention the essential material (chemicals) to prepare soap in the laboratory. Describe in brief the test to determine the nature (acidic/alkaline) of the reaction mixture of saponification reaction.

Biology Questions:

1. Define transpiration. Why is it important for plants?
2. Differentiate between arteries and veins.
3. Draw in sequence (showing the four stages), the process of binary fission in Amoeba.
4. What is the role of hemoglobin in the body?
5. Write two functions of the pancreas in the human body.
6. Write the differences between aerobic and anaerobic respiration.
7. What are the major components of blood?
8. Define biodiversity and explain its importance.
9. What is photosynthesis? Write its equation.

10. Why must we conserve our forests? List two factors responsible for causing deforestation.

Environmental Science Questions:

1. Explain two main advantages associated with water harvesting at the community level.
2. Why is an equitable distribution of resources essential in a society? List two forces which are against such distribution.
3. Why are coal and petroleum categorized as natural resources? Give a reason as to why they should be used judiciously.
4. You, being an environmentalist, are interested in contributing towards the conservation of natural resources. List four activities that you can do on your own.
5. What is global warming? Write two effects of global warming.
6. Define the greenhouse effect. Write one way to reduce it.
7. Write the differences between biodegradable and non-biodegradable substances.
8. What are the causes of air pollution? Write two solutions.
9. Define sustainable development. Write two principles of sustainable development.
10. Write two effects of deforestation on the environment.

Mixed Questions:

1. Write the uses of synthetic fibers in daily life.
2. What is dispersion of light? Write an example.
3. Define momentum. Write its formula and unit.
4. What is natural selection? Give an example.
5. Write two differences between transverse and longitudinal waves.
6. State the characteristics of magnetic field lines.
7. Write two differences between saturated and unsaturated solutions.
8. Write two applications of biotechnology in agriculture.
9. Define adaptation and give an example.
10. Explain how electricity is conducted in solutions.