

Class: 9

Subject: Science - Set 1

Maximum Marks: 50

Time Duration: 2 Hours

General Instructions:

Read the questions carefully before answering:

Questions 1 to 10 carry 1 mark each. Answer in 1 or 2 sentences

Questions 11 to 20 carry 2 marks each. Answer in 3 or 4 sentences

Questions 21 to 25 carry 3 marks each. Answer in 5 or 6 sentences

Question 26 carries 5 marks.

Q1. Thermal conduction takes place in _____?

- a) Liquids
- b) Gases
- c) Solids
- d) All of the above

Q2. By which method, we can separate cream from milk?

- a) Distillation
- b) Centrifugation
- c) Sublimation
- d) None of the above

Q3. Au is the symbol of _____?

- a) Sulphur
- b) Aluminium
- c) Argon
- d) Gold

Q4. Who discovered electrons?

- a) E. Rutherford
- b) J.J. Thomson
- c) Goldstein
- d) Chadwick

Q5. Who observed and discovered the cells first time?

- a) Robert Hooke
- b) Robert Brown
- c) Schleiden
- d) Schwann

Q6. A change of state directly from solid to gas without changing into liquid state is called _____?

- a) Condensation
- b) Evaporation
- c) Sublimation
- d) Diffusion

Q7. Which of the following is a heterogeneous mixture?

- a) Sugar in water
- b) Lime water
- c) Air
- d) Alloy

Q8. Who introduced the term 'mole' in chemistry?

- a) Joseph Proust
- b) Lavoisier
- c) Wilhelm Ostwald
- d) John Dalton

Q9. Bone is an example of _____?

- a) Nervous tissues
- b) Connective tissues
- c) Muscular tissues
- d) Epithelial tissues

Q10. Who is known as father of taxonomy?

- a) Robert Whittaker
- b) Ernst Haeckel
- c) Carl Woese
- d) Carl Linnaeus

Q11. Name the scientists who discovered protons and neutrons?

Q12. Why are mitochondria known as power house of the cell?

Q13. Define cytoplasm?

Q14. What is the main purpose of columnar epithelium?

Q15. Why should we wear cotton clothes in summers? Explain.

Q16. What are the constituents of phloem?

Q17. Mention the names of different groups of Plant Kingdom?

Q18. Write the symbols of Sodium, Iron, Silver and Copper.

Q19. What is a compound? Explain with an example.

Q20. Distinguish between Poriferans and Coelenterates?

Q21. Discuss the drawbacks of Rutherford's model of the atom?

Q22. Write the chemical formula of:

- i) Barium nitride
- ii) Nitrogen oxide
- iii) Sodium carbonate

Q23. Explain the different states of matter? Why does matter exist in these different states?

Q24. How does an Amoeba obtain its food?

Q25. Distinguish between compound and mixture.

Q26. Explain five applications of radioactive isotopes?