

Important Questions for MP Class 11 Chemistry

1. Explain with the help of suitable example the terms empirical and molecular Formulae and the relationship among these two.
2. The formula for Heisenberg's uncertainty principle is?
3. Define Aufbau's principle and explain the filling of electrons in orbitals according to this law with the help of diagram.
4. What is de-Broglie relationship? Derive its mathematical form.
5. Establish the utility of Mendeleef's periodic table by giving Mendeleef's periodic law?
6. What are Vander walls and co-valent radius? Explain with the help of diagrams?
7. What are amphoteric oxides? Explain with the help of any two suitable examples.
8. Define and justify the positions of transitional elements, lanthanides and actinides in the modern periodic table?
9. Give five main points of molecular orbitals theory.
10. Differentiate between valency bond theory and molecular orbital theory.
11. Compare between ionic and co-ordinate compounds based on any five points.
12. Classify the crystalline solids and their types.
13. What is Charles's law? Establish its practical importance and give its mathematical form.
14. Define Gay-Lussac's law? What are the essentials for this law?
15. What is Entropy? What is its unit and by which symbol it is represented? Give its formula for open system.
16. Explain the effect of temperature for exothermic and endothermic reaction for the feasibility of a reaction.
17. What is chemical equilibrium? Give its any four characteristics.
18. Give a list of elements which are important for living being and present in their food? How these elements are supplied to the body of living beings through food?

19. Due to which property of Carbon it forms in numerous compounds? Explain with examples.
20. Explain carbo cation and carbo anion along with their stability.
21. What are arenes? Kekule on what grounds assigned a ring structure based on resonance, explain? Finally what structure was proposed?
22. What is Friedel Craft's reactions? What type of products are obtained by this method?
23. Describe any 4 fruit plants which are medicinally useful?
24. Chemical formula for ethylene glycol is _____
25. Give chemical reaction for ozonolysis of benzene and name the product.