

CHEMISTRY Exam Paper

Subjective Questions

1. Explain the difference between ionic and covalent bonds with examples.

Answer:

2. What is the periodic table and how does it relate to the properties of elements?

Answer:

3. Discuss the process of electrolysis and its applications.

Answer:

4. Describe the various types of chemical reactions and provide examples.

Answer:

5. What is the concept of molarity and how is it calculated?

Answer:

6. Explain the laws of thermodynamics and their importance in chemical reactions.

Answer:

7. What is the difference between acids, bases, and salts? Explain with examples.

Answer:

8. Describe the process of oxidation and reduction in redox reactions.

Answer:

9. What is the role of catalysts in chemical reactions?

Answer:

10. Explain the concept of chemical equilibrium and Le Chatelier's principle.

Answer:

MCQ Questions

11. What is the atomic number of Hydrogen?

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|------|------|
| a) 1 | b) 2 |
| c) 3 | d) 4 |
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12. What is the formula for water?

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|---------------------|----------------------------------|
| a) H ₂ O | b) CO ₂ |
| c) O ₂ | d) H ₂ O ₂ |
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13. Which element is represented by the symbol "O"?

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|-----------|-----------|
| a) Oxygen | b) Osmium |
| c) Ozone | d) Onium |
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14. What is the chemical formula of methane?

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|----------------------------------|-----------------------------------|
| a) CH ₄ | b) C ₂ H ₆ |
| c) C ₃ H ₈ | d) C ₄ H ₁₀ |
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15. What is the atomic number of Carbon?

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| a) 6 | b) 8 |
| c) 12 | d) 14 |
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