



IMPORTANT QUESTIONS FOR SECTION B

X CHEMISTRY

• **Differences:-**

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|--|-----------|--------------------------------------|
| 1. Oxidation and Reduction | OR | Hard Water and Soft Water |
| 2. H ₂ O and D ₂ O | OR | Diamond and Graphite |
| 3. Oxidizing & Reducing Agent | OR | Saturated & Un-Saturated Hydrocarbon |

• **Reactions:- (Hint: Do all solved and un-solved reactions of book)**

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|---|-----------|---------------------------------|
| 1. Reaction of Sulphuric Acid (H ₂ SO ₄) | OR | Nitric Acid (HNO ₃) |
| 2. Reaction of Ammonia gas (NH ₃) | OR | Chlorine gas (Cl ₂) |

• **Definitions:-**

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|-------------------|------------|--------------------|----|
| 1. Saponification | 2. Alkanes | 3. Alloy | 4. |
| Oxidation | | | |
| 5. Isomerism | 6. Alkenes | 7. Oxidizing Agent | 8. |
| Roasting | | | |

• **Short Notes:-**

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|--------------------------------|----------------------|-------------------|
| 1. Refining of Petroleum | 2. Polymerization | 3. Soap OR |
| Paints | | |
| 3. Plastic OR Varnishes | 5. Food Preservation | 6. Isotopes |
| of H | | |

• **Other Short Questions:-**

1. Define crystallization & water of crystallization. Give formula of any 3 hydrated salts.
2. What is Aqua Regia? How does it dissolve gold?
3. Express stepwise chlorination reaction of methane in the presence of sunlight.
4. Write down any 3 uses of H₂O₂ **OR** H₂ **OR** Cl₂ **OR** CaOCl₂ **OR** HNO₃ **OR** H₂SO₄.
5. Write down any three characteristics of Halogens **OR** Homologous Series.
6. What is Alloy? Write down the composition of bronze, brass and nichrome.
7. What is Ozone? Where does it occur in nature? How is it beneficial to earth?
8. What is Allotropy? Name allotropic form of Carbon (C) **OR** Sulphur (S).
9. Write any three chemical differences between metals and non-metals.
10. What is meant by steel? Describe the classification of steel.
11. What are hydrocarbons? How they are classified?



12. Write down formulae and uses of baking soda, caustic soda and washing soda.
13. Write any 3 causes of food spoilage. **OR** Describe electrolytic refining of blister copper.
14. What is Silica Jel? Write also its 2 uses.
15. What is functional group? Write down the function group & formulae of the following:
 - (a) Ethyl Alcohol
 - (b) Propyl Iodide
 - (c) Acetic Acid