repare · Achieve



CHEMISTRY:

1. If SN¹ is a racemisation reaction, then which of the following will be the correct reaction for SN²?

Answer. SN² is inversion reaction

- 2. Which of the following does not show a variable oxidation state?
- i. Flourine
- ii. Chlorine
- iii. Bromine
- iv. Iodine

Answer. i. Fluorine

3. Which of the following compounds are polar?

i. CC₁₄ ii. CH₂ = CH2

iii. CO₂

iv. CH₃Cl

Answer. CH₃Cl

4. What is the correct IUPAC name of the following compound?

i. 1 - ethyl - 3,3-dimethyl cyclohexane
ii. 3 - ethyl -1,1-dimethyl cyclohexane
iii. 1 - ethyl - 3,3-dimethyl cyclohexene
iv. 3 - ethyl - 1,1-dimethyl cyclohexene

Answer. 3-ethyl-1,1-dimethyl cyclohexane

5. The compound (CH₂)₄C₂H₂ is:
i. Alicyclic
ii. Aromatic
iii. Antiaromatic

iv. Acyclic

Answer. Alicyclic