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Diagram on page 9 is redrawn below for easy reference.



Changes to the conditions of equilibrium are made at different times. The graph shows the results obtained. X, Y and Z represent the gases in the above reaction.



4.5 Write down the TYPE of elimination in reaction III.

4.6 Compounds R and T are positional isomers.

The inorganic reagents shown below are available for reactions IV and V.

Bu	$\text{H}_2\text{SO}_4(\text{conc})$	$\text{NaOH}(\text{conc})$	HBr	H_2
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4.7 Define for both chemical equilibrium.

Use the graph to answer the questions below.

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