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October/November 2023

1 hour 30 minutes

Marks: 80

Candidates answer on the Question Paper.
No Additional Materials are required.

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Write your name, centre number and candidate number on relevant boxes at the top of this page.
Write in dark blue or black pen.
Use HB pencil for any diagrams or graphs.
Do not use staples, paper clips, and glue or correction fluid.

Answer all questions.
Electronic calculators may be used.
A copy of the Periodic Table is on page 16.
You may lose marks if you do not show your working or if you do not use appropriate units.
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This document consists of 13 printed pages 2 blank pages and a Periodic Table.



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Michael Brown



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The Medical Directory ... ,1997 *The Oxford Handbook of Poverty and Child Development* Valerie Maholmes,Rosalind B. King, Ph.D.,2012-05-21 Comprehensive and integrative *The Oxford Handbook of Poverty and Child Development* describes the contextual and social ecology of children living in poverty and illuminates the biological and behavioral interactions that either promote optimal development or that place children at risk of having poor developmental outcomes **Resources in Education** ,1993 *Current Catalog* National Library of Medicine (U.S.),1993 *Southern Africa Research for Development* Michael Sefali,1988 *American Book Publishing Record* ,1987 **Southern Africa Research for Development** Michael Malefetsane Sefali,1988 **Teacher in New Africa** ,1968

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volume of gas moles V_m rearranging this moles of gas $\frac{V}{V_m}$

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assuming ideal gas behavior at stp the volume of a gas is only dependent on number of moles of

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