



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

FARHAD AKOOS
MEMO

NATIONAL SENIOR CERTIFICATE

GRADE 12

PHYSICAL SCIENCES: PHYSICS (P1)

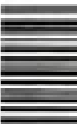
NOVEMBER 2024

MARKS: 150

TIME: 3 hours

Q1	21 minutes	20 marks
Q2	19 minutes	15 marks
Q3	22 minutes	16 marks
Q4	11 minutes	12 marks
Q5	11 minutes	12 marks
Q6	9 minutes	12 marks
Q7	12 minutes	14 marks
Q8	20 minutes	21 marks
Q9	9 minutes	13 marks
Q10	16 minutes	15 marks
Total	150 minutes	150 marks

This question paper consists of 16 pages and 3 data sheets.



G12 Physical Science Guide Memo Smartlearner

Konrad Bates Krauskopf, Arthur Beiser



G12 Physical Science Guide Memo Smartlearner:

Physical Science , **Study Guide to Physical Science** Leon Horn,Benjamin du Preez Brink,Ronald Colin Jones,1989
Student Guide for An Introduction to Physical Science James T. Shipman,Jerry D. Wilson,1971 **Physical Science,**
Study Guide Merrill,1992-06 *Merrill Physical Science* Richard G. Smith,1993 *Scott, Foresman Physical Science* John
Bowmar,1990 *Fundamentals of Physical Science. Study Guide* Konrad Bates Krauskopf,Arthur Beiser,1966 Study
Guide, Teacher Edition, for Use with Glencoe Physical Science Aron Thompson,2000-10 **Focus on Physical Science**
Charles H. Heimler,Jack Price,Charles E. Merrill Publishing Company,1981 *Study Guide to Accompany Fundamentals of*
Physical Science James T. Shipman,Jerry D. Wilson,Clyde D. Baker,1992-01-01 **Physical Science** Robert H.
Marshall,Donald H. Jacobs,1992 *Study Guide to Accompany Essentials of Physical Science, by Atkins, Holum, and*
Strahler David P. Maloney,Kenneth Robert Atkins,John R. Holum,Arthur Newell Strahler,David E. Newton,1978-01-01
Physical science ,2006 **Physical science** A. Poulton,2006 **Physical Science Fundamentals** John J.
Merrill,James N. Thorne,1981 **Physical science** D. Verrall,2007 **Physical science** ,2006 **Study Guide to the**
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