



GAUTENG PROVINCE
Department of Education
REPUBLIC OF SOUTH AFRICA

EKURHU LENI NORTH DISTRICT 5th June 2018

Grade 9 Examination

Subject	: Social Sciences
Discipline	: Geography
Date	: 5 th June 2018
Mark Allocation	: 50
Time Allocation	: 1 HOUR

INSTRUCTIONS:

1. All the questions must be answered
2. Write neatly and legibly
3. Number correctly
4. Learners must not rewrite the sources as answers
5. Answer in the folio pages
6. This question paper has 4 pages including cover page

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web the six Na^+ ions and the six Cl^- ions that appear on both sides of the equation are spectator ions that can be canceled to give the net ionic equation $3\text{Ba}^{2+} + 2\text{PO}_4^{3-} \rightarrow \text{Ba}_3(\text{PO}_4)_2$

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 $2\text{Cl}^{-}\text{aq} + \text{Cu}^{2+}\text{aq} \rightarrow \text{Cu}^{2+}\text{aq} + 2\text{Cl}^{-}\text{aq}$ these spectator ions are not actively involved in the reaction the existence of
spectator ions affects the debye length