

# GRADE 9 NATURAL SCIENCE REVISION (TERM 3) EXAM QUESTIONS AND ANSWERS

A stationary object such as a car, will be able to move if enough people exert enough force by (twisting/pushing) it. - ANSWER-pushing

TRUE or FALSE

Groups of cells connected together are known as batteries. - ANSWER-true

Forces work in \_\_\_\_\_. - ANSWER-pairs

TRUE or FALSE

Resistance equals the potential difference across a conductor divided by the current through a conductor. - ANSWER-true

A \_\_\_\_\_ force is applied when two objects come in contact with each other. - ANSWER-contact

TRUE or FALSE

When cells that have the same voltage are connected in parallel, the total sum of the voltage of the battery is increased. - ANSWER-false

Name 3 contact forces. - ANSWER-friction  
tension  
compression

TRUE or FALSE

Adding more cells in parallel increases the voltage and decreases how long the battery will last. - ANSWER-false

Name the 3 types of forces. - ANSWER-push  
pull  
twist

TRUE or FALSE

An electric cell is a system that manufactures electricity. - ANSWER-true

Name 3 field forces. - ANSWER-gravitational force  
magnetic force  
electrostatic force

TRUE or FALSE

# Grade 9 Natural Science Exemplar 2014

**J Elliott**



## **Grade 9 Natural Science Exemplar 2014:**

Greening Curriculum Guidance UNESCO,2024-06-01 Creating Effective Teaching and Learning Spaces: Shaping Futures and Envisioning Unity in Diversity and Transformation Zilungile Lungi Sosibo,Eunice Ivala,2021-09-07 Higher education in post apartheid South Africa was always likely to attract academic interest and yet there remains a dearth of research on creating teaching and learning spaces suitable for students from diverse backgrounds Using examples from higher education institutions across the Southern African Developing Community SADC region this volume explores the ways teaching and learning spaces are being used to advance the transformation agenda of higher education in these regions and provides concrete recommendations for the future The book is sure to appeal to academics from a variety of disciplines from African African American and ethnic studies to education and sociology It will be of particular interest to teacher trainers administrators and policy makers working in higher education and anyone else with a stake in managing cultural diversity in education Multilingual classroom contexts Prof Christa van der Walt,Dr Verbra Pfeiffer,2021-12-01 By far the majority of South African students get their schooling in a second language which means that our classrooms are multilingual This state of affairs is not exclusive to our country as can be seen in the many academic conferences on multilingual learning and teaching Terms like translanguaging and biliteracy appear in many articles and books that discuss the role language in education What makes the multilingual nature of our South African classrooms challenging is the fact that many learners switch from one language of learning and teaching to another at various points in their school career from home language to English or Afrikaans after the foundation phase from one language of learning and teaching to another when they move to new schools high school or tertiary institutions This book is an attempt to highlight the transitions from home to school from foundation to intermediate phase from primary to high school and from high school to tertiary institutions *Digital Didactical Designs* Isa Jahnke,2015-08-14 As web enabled mobile technologies become increasingly integrated into formal learning environments the fields of education and ICT information and communication technology are merging to create a new kind of classroom CrossActionSpaces Grounding its exploration of these co located communication spaces in global empirical research Digital Didactical Designs facilitates the development of teachers into collaborative designers and evaluators of technology driven teaching and learning experiences learning through reflective making The Digital Didactical Design model promotes deep learning expeditions with a framework that encourages teachers and researchers to study explore and analyze the applied designs in practice The book presents critical views of contemporary education theories of socio technical systems and behavior patterns and concludes with a look into the conceptual and practical prototypes that might emerge in schools and universities in the near future **Lessons from Estonia's Education Success Story** Peeter Mehisto,Maie Kitsing,2022-07-19 This book explores how Estonia despite high levels of poverty has transformed its education system to become Europe s top performer on PISA Programme for International Student Assessment The engaging narrative

uncovers reforms mistakes and lessons learnt that have been harnessed to create a high performing high equity education system which includes social and education policies fostering equity inclusion learner autonomy as well as schoolteacher and principal professionalism autonomy and responsibility It unearths how easy access to a wide range of data such as perceptions of well being autonomy and connectedness in addition to examination results builds internal and external accountability and contributes to collective stakeholder efficacy Grounded in research from Estonia and beyond this is an ideal read for educators administrators academics university students change agents and parents interested in school system improvement As equity equality and inclusion are core drivers of the Estonian education system this book would also be of interest to those working in social justice inclusion and diversity Psychological Studies in the Teaching, Learning and Assessment of Mathematics Yiming Cao,Zsolt Lavicza ,Shuhua An,Lianchun Dong,2024-05-31 There is no doubt that the onset of a new decade has brought high expectations of academic progress for scholars especially for researchers in mathematics education The International Group for the Psychology of Mathematics Education was born in 1976 which focused on the international exchange of knowledge in the psychology of mathematics education the promotion of interdisciplinary research with psychologists mathematicians and mathematics teachers and the development of the psychological aspects of teaching and learning mathematics and its implications **Initiatives to raise young people's interest and participation in STEM** Milagros Sainz,Katja Upadyaya,Sergi Fàbregues,2023-03-23 **Canadian Journal of Earth Sciences** ,2014 **Normal Instructor and Teachers World** ,1930 *Canadian Journal of Physics* ,2015 Testing and Evaluation of Inorganic Materials IV Yi Wang Bao,Dan Yu Jiang,Jiang Hong Gong,2013-11-08 Selected peer reviewed papers from the Fourth Annual Meeting on Testing and Evaluation of Inorganic Materials June 7 9 2013 Guilin China **Archives of Acoustics Quarterly** ,2018 Sociological Abstracts Leo P. Chall,1992 CSA Sociological Abstracts abstracts and indexes the international literature in sociology and related disciplines in the social and behavioral sciences The database provides abstracts of journal articles and citations to book reviews drawn from over 1 800 serials publications and also provides abstracts of books book chapters dissertations and conference papers **Agroborealis** ,2014 **Engineering News** ,1907 Geological Quarterly ,2014 Normal Instructor ,1930 *Tracks, Trails, and Thieves* Jack E. Deibert,Brent Henry Breithaupt,2016 Detailed recounting of the first government sponsored geological survey of the Wyoming and adjacent territories in 1868 The results of Hayden s survey provided the earliest descriptive stratigraphic structural profile across the Rocky Mountains and the initial discovery of dinosaur tracks in western North America **Documentation Abstracts** ,1971 **Catalog** Sears, Roebuck and Company,1930

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