

#### LIFE SCIENCES - Grade 10

#### TOPIC TEST: History of Life on Earth

#### MARKS:30

#### TIME: 30 minutes

#### SECTION A

#### QUESTION 1

Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A to D) next to the question number (1.1 to 1.5) in the ANSWER BOOK, for example 1.6 D.

- 1.1 Palaeontology is a study of ....
  - A the half-life of radioactive substances.
  - B continental drift.
  - C fossils.
  - D changes during the Cambrian explosion.
- 1.2 Which method allows scientists to say that one fossil is older than the other?
  - A Fossilization
  - B Relative dating
  - C Petrification
  - D Radiometric dating
- 1.3 A period in the earth's history where global temperatures plummet and there is extensive glaciation is known as ...
  - A. the greenhouse effect.
  - B. a cold spell.
  - C. a hole in the ozone.
  - D. an ice age.
- 1.4 .....are the richest sources of fossils
  - A Layers of strata
  - B Index fossils
  - C Mineral salts
  - D Sedimentary rocks

# **Life Science March Paper 23**

**Zuoyue Wang** 

## **Life Science March Paper 23:**

Global Transformations in the Life Sciences, 1945–1980 Patrick Manning, Mat Savelli, 2018-06-07 The second half of the twentieth century brought extraordinary transformations in knowledge and practice of the life sciences In an era of decolonization mass social welfare policies and the formation of new international institutions such as UNESCO and the WHO monumental advances were made in both theoretical and practical applications of the life sciences including the discovery of life's molecular processes and substantive improvements in global public health and medicine Combining perspectives from the history of science and world history this volume examines the impact of major world historical processes of the postwar period on the evolution of the life sciences Contributors consider the long term evolution of scientific practice research and innovation across a range of fields and subfields in the life sciences and in the context of Cold War anxieties and ambitions Together they examine how the formation of international organizations and global research programs allowed for transnational exchange and cooperation but in a period rife with competition and nationalist interests which influenced dramatic changes in the field as the postcolonial world order unfolded New Perspectives on the History of Life Sciences and Agriculture Denise Phillips, Sharon Kingsland, 2015-02-12 This volume explores problems in the history of science at the intersection of life sciences and agriculture from the mid eighteenth to the mid twentieth century Taking a comparative national perspective the book examines agricultural practices in a broad sense including the practices and disciplines devoted to land management forestry soil science and the improvement and management of crops and livestock The life sciences considered include genetics microbiology ecology entomology forestry and deal with US European Russian Japanese Indonesian Chinese contexts The book shows that the investigation of the border zone of life sciences and agriculture raises many interesting questions about how science develops In particular it challenges one to re examine and take seriously the intimate connection between scientific development and the practical goals of managing and improving perhaps even recreating the living world to serve human ends Without close attention to this zone it is not possible to understand the emergence of new disciplines and transformation of old disciplines to evaluate the role and impact of such major figures of science as Humboldt and Mendel or to appreciate how much of the history of modern biology has been driven by national ambitions and imperialist expansion in competition with rival nations In Sputnik's Shadow Zuovue Wang, 2009 In Sputnik's Shadow traces the rise and fall of the President's Science Advisory Committee from its ascendance under Eisenhower to its demise during the Nixon years Zuoyue Wang examines key turning points during the twentieth century including the beginning of the Cold War the debates over nuclear weapons the Sputnik crisis in 1957 the struggle over the Vietnam War and the eventual end of the Cold War showing how the involvement of scientists in executive policymaking evolved over time and brings new insights to the intellectual social and cultural histories of the era Dual Use Research of Concern in the Life Sciences National Academies of Sciences, Engineering, and Medicine, Policy and Global

Affairs, Committee on Science, Technology, and Law, Committee on Dual Use Research of Concern: Options for Future Management, 2017-09-01 The potential misuse of advances in life sciences research is raising concerns about national security threats Dual Use Research of Concern in the Life Sciences Current Issues and Controversies examines the U S strategy for reducing biosecurity risks in life sciences research and considers mechanisms that would allow researchers to manage the dissemination of the results of research while mitigating the potential for harm to national security Learning of Liberty Lorraine Smith Pangle, Thomas L. Pangle, 1993 This very important book is original sweeping and wise about the relation between education and liberal democracy in the United States The Pangles reconsider superior ideas from the founding period in a way that illuminates any serious thinking on American education whether policy oriented or historical American Political Science Review An important and thoughtful book stimulating for citizens as well as scholars Journal of American History History and Philosophy of the Life Sciences ,2007 **Scientific and Technical** Aerospace Reports ,1987-10 Politics and the Life Sciences ,1993 Supreme Court Papers on Appeal from Order of Social Sciences and Humanities Index ,1916 The Shipley Collection of Scientific the 23rd March, 1904, 1904 Parliamentary Papers Queensland. Parliament. Legislative Assembly, 1927 **Technical Book Review Papers** ,1923 Essays of an Information Scientist Eugene Garfield, 1990 Index ,1921 Bibliography of the Life and Works of **Simon Newcomb** Raymond Clare Archibald, 1905 The Yale Alumni Weekly ,1908 Yale Alumni Weekly ,1907 Poultry Science, 1991 Vol 5 includes a separately paged special issue dated June 1926 Annual Report of the New York State College of Agriculture and Life Sciences at Cornell University & the Cornell University Agricultural Experiment Station New York State College of Agriculture and Life Sciences, 1982

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