



## GRADE 10 LIFE SCIENCES MARCH TEST

### SECTION A QUESTION 1

- 1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the LETTER (A-D) next to the QUESTION NUMBER (1.1.1-1.1.5) on your folio paper. Example 1.1.6. D.

**Gr 10 learners conducted an investigation over a period of time every afternoon at noon to determine the wind speed at various altitudes.**

Answer question 1.1.1- 1.1.3 using the above-mentioned statement.

- 1.1.1 Which of the following options would be the independent variable?  
A Wind speed.  
B Different altitudes  
C Time of day  
D Period of time
- 1.1.2 Which of the following options would be considered the dependent variable?  
A Wind speed  
B Different altitudes  
C Time of day  
D Period of time
- 1.1.3 Which of the following options would be a fixed variable?  
A Wind speed  
B Different altitudes  
C Time of day  
D Period of time
- 1.1.4 The following is **NOT** an abiotic factor in the ecosystem of a grasshopper.  
A The air it breathes  
B The temperature it can survive at  
C The waste it produces  
D The aspect of the mountain it lives on

# Life Sciences March Paper 24

**Lingjun Ying**



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Managing Discovery in the Life Sciences Philip A. Rea, Mark V. Pauly, Lawton R. Burns, 2018-02 Addresses in roughly equal measure the science and management behind several recent marketable biomedical innovations

*Gas Dynamics with Applications in Industry and Life Sciences* Mohammad Asadzadeh, Larisa Beilina, Shigeru Takata, 2023-10-30 This proceedings volume gathers selected contributions presented at two instances of the JSPS SAC Seminar On Gas Kinetic Dynamics and Life Science held by the Chalmers University of Technology and University of Gothenburg Sweden on March 25 26 2021 virtual and March 17 18 2022 virtual Works in this book provide a concise approach to the theoretical and numerical analysis of kinetic type equations that arise for example in modeling industrial medical and environmental problems Readers will find some of the most recent theoretical results newly developed numerical methods in the field and some open problems Possible application areas encompass fission fusion energy electromagnetics nuclear science and engineering medical service radiation oncology and plants growth conditions to name a few The JSPS SAC seminars are jointly organized by JSPS Japan Society for the Promotion of Science Stockholm Office and the Department of Mathematical Sciences Chalmers University of Technology University of Gothenburg Sweden These seminars foster discussions on the mathematical theory industrial and life science applications and numerical analysis of non linear hyperbolic partial differential equations modeling collision less plasma and charged particles Chapter 4 is available open access under a Creative Commons Attribution 4 0 International License via link [springer.com](https://www.springer.com) Chapter 11 is available open access under a Creative Commons Attribution 4 0 International License via link [springer.com](https://www.springer.com)

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and Electrical Engineering ,1911      *New York Medical Journal, and Philadelphia Medical Journal* ,1906      **Chemical News**  
**and Journal of Industrial Science** ,1921      The New York Daily Tribune Index ,1876      **Chemical News and Journal of**  
**Physical Science** William Crookes,James H. Gardiner,Gerald Druce,H. W. Blood Ryan,1899      **Atlantic Educational**  
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