

4.1

EXTERNAL ASSESSMENT 2020: CHEMISTRY PAPER 1

Time allowed

- Perusal time — 10 minutes
- Working time — 90 minutes

General instructions

- Answer all questions in this question and response book.
- QCAA-approved calculator permitted.
- QCAA formula and data book provided.
- Planning paper will not be marked.

Section 1 (20 marks)

- 20 multiple choice questions

Section 2 (40 marks)

- 7 short response questions



Section 1 (20 marks)

MULTIPLE CHOICE QUESTIONS

QUESTION 1

A partly filled water bottle is sealed and left on a bench in a room with a constant temperature. After several minutes, it is noted that the water level in the bottle remains constant. In the water bottle, the rate of evaporation is

- (A) less than the rate of condensation.
- (B) greater than the rate of condensation.
- (C) equal to the rate of condensation and equal to zero.
- (D) equal to the rate of condensation but not equal to zero.

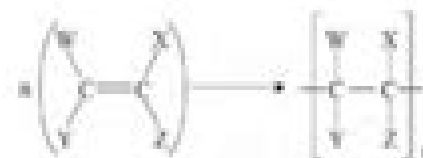
QUESTION 2



Determine which of the following statements is true for the chemical reaction.

- (A) Silver ions are reduced and act as a reducing agent.
- (B) Silver ions are oxidised and act as a reducing agent.
- (C) Magnesium atoms are reduced and act as a reducing agent.
- (D) Magnesium atoms are oxidised and act as a reducing agent.

QUESTION 3



This general chemical equation represents the following type of reaction.

- (A) addition
- (B) hydrolysis
- (C) nitration
- (D) condensation

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Environmental Toxicology and Chemistry ,2003 Methods of Educational and Social Science Research David R. Krathwohl,2009-02-03 As the new subtitle indicates the book emphasizes the logic of methods to provide the student a solid basis for future methodology changes enhancing the integrated approach of the previous edition Among the author s many goals are for users to understand research s contribution to knowledge building as a social process through which findings become accepted as knowledge acquire the background to read analyze and understand research using a variety of approaches as well as the hallmarks necessary to evaluate each method and realize that the responsibility for ethical research is fundamentally theirs and that value choices are involved beginning with the choice of research problem Updates to the new edition include an extensive example of the use of the computer in the literature search and a new chapter on the reflective researcher The expanded treatment of qualitative research includes the pros and cons of using software in qualitative analysis Conceptual analysis an important concept missing from the second edition has returned by request because of its widely employed logic in both qualitative and quantitative methods The author has acknowledged the troublesome nature of the concepts internal validity and external validity and has more clearly defined these important foundational concepts as Internal Integrity and External Generality Useful tools to facilitate learning include additional reading lists important terms and concepts tips on effective research methods and hallmarks of methods application problems and exercises a glossary and an appendix on writing a research proposal A Web site is available with auxiliary learning enhancements and updates Resources in Education ,1987 *World History: Connections to Today* Elisabeth Gaynor Ellis,Pearson/Prentice Hall,2003-12 **NCLEX-PN Exam Prep** Wilda Rinehart Gardener,Wilda Rinehart,Diann Sloan,Clara Hurd,2015 645 questions with detailed answers includes alternate item formats Cover Children's Books in Print ,1993 British Book News ,1990 *Subject Guide to Books in Print* ,1971 Medical Books and Serials in Print R. Bowker LLC,R.R. Bowker Company,1978 *Books Out-of-print* ,1980 **The British National Bibliography** Arthur James Wells,1968 *Pearson Chemistry Unit 3* Staley Wilbraham (Matta, Waterman),2022 Glencoe Science Alton Biggs,McGraw-Hill Staff,National Geographic Society (U.S.),Glencoe/McGraw-Hill,2001-08-01 **A Whole Year of Chemistry Quizzes** Siegfried Howell,2019-12-12 This book A Whole Year of Chemistry Quizzes was written to provide easy to use and grade quizzes to assess the comprehension of honors students Advance Placement students AP and International Baccalaureate IB students This book of quizzes guides the teacher and the student through what is required in a non watered

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