

GRADE 12 PHYSICAL SCIENCES NOVEMBER EXAMINATION PAPER 2: CHEMISTRY

QUESTION 1

- 1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write CNLY the LETTER (A-D) next to the QUESTION NUMBER (1.1.1-1.1.10) on your answer sheet, for example 1.1.11. D.
- 1.1.1 Catalyst required for a thermal gracking:
 - A Strong adds
 - B No catalyst required.
 - C PLN or Pol
 - D FOC
- 1.1.2 The correct molecular structure for 3-methyl-2-pertanone.

- 1.1.3 Suffix for the homologous series of esters:
 - A 400
 - B -bate.
 - C -old add
 - 0.46
- 1.1.4 The relationship between volume and pressure of a pas is:
 - A. Constant
 - B. Directly proportional
 - C. Inversely proportional
 - D Independent
- 1.1.5 Organic homologous series with a double bond between ongen and carbon:
 - A. Alkanes
 - B. Aldehydes
 - C Allones
 - D. Alcohols
- 1.1.5 Which of the following will cause a DECREASE in reaction rate?
 - A. Presence of a catalyst.
 - B. Increase in the concentration of the reactant.
 - C. Decrease in the concentration of the reactant.
 - Alteration of electrical conductivity of reactant particles.
- 1.1.7 The product concentration of a chemical reaction is decreased. What would the result be referring to Le Chatelier's principles.
 - A. The reaction rate of the forward reaction would increase.

Market Street

- The reaction rate of the backward reaction would increase.
- C The activation energy would decrease.
- D. The activation energy would increase.
- 1.1.3 Which of the following scenarios would NOT cause a change in the Marwell Boltomenn distribution of a gas?
 - A. Temperature changes.
 - B Concentration changes.
 - C. Adding a catalyst.
 - D. Pressure changes.

Grade 12 Physical Science Paper Ii Memo

Xiaolong Qi

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