

GRADE 12 PHYSICAL SCIENCES MARCH TEST

QUESTION 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 (1.1-1.7) on your folio paper. Example 1.8. D.

- 1.1 Which of the following pairs of compounds contains members of the same homologous series?
- A Ethanol and butane
 B Ethanol and ethanoic acid
 C Ethanol and propanoic acid
 D Ethanol and butanoic acid
- 1.2 In which of the following cases would the resultant force acting on an object be equal to 0N.



- A A constant number of different ions are released.
 B A new element is formed and the original quantities of the elements are conserved.
 C An ionic substance gains a positive charge and a negative charge.
 D An ionic substance is oxidising and reducing.
- 1.3 Which of the statements below best describes Weightlessness?
- A An object is free of weight and has no weight force acting on it.
 B An object is free of weight and has no weight force acting on it.
 C An object is free of weight and has no weight force acting on it.
 D An object is free of weight and has no weight force acting on it.
- 1.4 The inertia of an object...
- A is measured by the mass of the object.
 B is the resistance to change in the object's motion.
 C is the resistance to change in the object's velocity.
 D is the resistance to change in the object's acceleration.

- 1.5 An astronaut has a weight E_E on Earth. What distance, in terms of the radius of the Earth (r), will the astronaut be if his weight is a 1/4 of his weight (E_E) on the surface of the Earth?
- A r
 B $2r$
 C $4r$
 D $16r$

- 1.6 A box is pushed forward with a force of 100N but does not move. A possible reason for this is that:
- A The box is too heavy.
 B The box is too light.
 C The box is too smooth.
 D The box is too rough.
- 1.7 A box is pushed forward with a force of 100N but does not move. A possible reason for this is that:
- A The box is too heavy.
 B The box is too light.
 C The box is too smooth.
 D The box is too rough.

[14]

QUESTION 2

Three organic compounds (A, B and C) with different functional groups are given below.

A: 2,3-dimethyl-2-one



C: $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

- 2.1 Write down the functional group of compound A and the functional group of compound B. (2)
- 2.2 Define the term functional group. (2)
- 2.3 Write down the:
 2.3.1 IUPAC name of compound A. (2)
 2.3.2 IUPAC name of compound B. (2)

Physical Science Grade 12 Exam Papers November 2008

Emilie Sanchez



Physical Science Grade 12 Exam Papers November 2008:

This book delves into Physical Science Grade 12 Exam Papers November 2008. Physical Science Grade 12 Exam Papers November 2008 is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Physical Science Grade 12 Exam Papers November 2008, encompassing both the fundamentals and more intricate discussions.

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