

MERCY JUNIOR COLLEGE Grade 11 Physical Science Midterm Exam

NAME:	
YEAR LEVEL & SECTION:	
TEACHER'S NAME:	
PROCTOR'S NAME:	

I. MULTIPLE CHOICE

INSTRUCTION: Encircle the letter of the correct answer. (1 POINT EACH)

It is a subatomic particle, symbol e- or

β-, with a negative elementary electric charge.

- A. Meutinon
- 8. Electron
- C. Proton
- D. Atom
- It is the smallest constituent unit of ordinary matter that has the properties of a chemical element.
 - A. Neutron
 - B. Electron
 - C. Proton
 - D. Atom
- It is a subatomic particle, symbol p or p+, with a positive electric charge of +1e elementary charge and mass slightly less than that of a neutron.
 - A. Neutron
 - Electron
 - C. Protom
 - D. Atom.
- It is a subatomic particle, symbol n or nO, with no net electric charge and a mass slightly larger than that of a proton.
 - A. Neutron
 - 8. Electron
 - C. Proton
 - D. Atom.
- 5. What type of nuclear reaction is this?



- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction

- It is a type of radioactive decay in which an atomic nucleus emits an alpha particle and thereby transforms or 'decays' into an atom with a mass number that is reduced by four and an atomic number that is reduced by two
 - A. Alpha Decay
 - B. Beta Decay
 - C. Gamma Ray
 - D. Radiation
- It is a type of radioactive decay in which a beta ray (fast energetic electron or positron) and a neutrino are emitted from an atomic nucleus.
 - A. Alpha Decay
 - B. Beta Decay
 - C. Gamma Ray
 - D. Radiation
- 8. What type of nuclear reaction is this?

$$30 \text{ Sr} \longrightarrow 30 \text{ V} + .9e$$
 $230 \text{ Np} \longrightarrow 232 \text{ Pu} + .9e$
 $247 \text{ Am} \longrightarrow 247 \text{ Cm} + .9e$
 $35 \text{ Br} \longrightarrow 36 \text{ Kr} + .9e$
 $35 \text{ Br} \longrightarrow 36 \text{ Kr} + .9e$
 $32 \text{ Tc} \longrightarrow 34 \text{ Ru} + .9e$

- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction
- In atomic physics and quantum chemistry, the electron configuration is the distribution of electrons of an atom or molecule in atomic or molecular orbitals.
 - A. Electron Configuration
 - B. Periodic Table of Elements
 - C. Orbital Models
 - D. Emergy Levels
- 10. What type of nuclear reaction is this?

$$^{235}_{92}U \rightarrow {}^{4}_{2}He + {}^{231}_{99}Th$$

- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction

Physical Science 2june Exam Paper 1

KJ Lindholm-Leary

Physical Science 2june Exam Paper 1:

Physical Science 2june Exam Paper 1 Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has be more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such may be the essence of the book **Physical Science 2june Exam Paper 1**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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