

BAGONG SILANG NATIONAL HIGH SCHOOL
1ST QUARTER EXAMINATION
PHYSICAL SCIENCE

NAME: _____
GRADE: _____

DATE: _____
SCORE: _____

Directions: Write the letter of the correct answer on the space provided.

- _____ 1. It is also known as nuclear fusion and the formation of new nuclei actions in the early stages of development of the universe.
a. Nucleosynthesis b. S-Process c. R-Process d. Singularity
- _____ 2-4. There are two categories of star, the average star and massive star. The life cycle of these two stars are common from 1st to 3rd stages namely nebula, protostar, and main sequence star. What will be the next stages in the life of an average star until it reaches its death?
a. Red super giant → Supernova → Black hole → neutron star 0
b. Red giant → white dwarf → black dwarf 3
c. Red giant → white dwarf → black hole 2
d. Red supergiant → white dwarf → black dwarf 1
- _____ 5. He synthesized element with atomic number 43 using a linear particle accelerator.
a. Ernest Rutherford b. Ernest Lawrence c. Dmitri Mendeleev d. John Dalton
- _____ 6. The following are light elements EXCEPT;
a. helium b. hydrogen c. lithium d. iron
- _____ 7. Which of the following molecule is nonpolar?
a. NaCl b. HCl c. CO₂ d. NH₃
- _____ 8. What type of chemical bond holds the atoms of water molecule together?
a. Hydrogen bond b. Ionic bond c. Polar covalent bond d. Nonpolar covalent bond
- _____ 9. Which of the following IMFAs is considered as the weakest?
a. H-bonding b. Ion-dipole c. Dipole-dipole d. London forces
- _____ 10. Which of the following statements is TRUE about nonpolar molecules?
a. high boiling point b. high melting point c. low surface tension d. low vapor pressure
- _____ 11. Forces that are present between an ion and a polar molecule
a. ion-dipole b. dipole-dipole c. dispersion forces d. hydrogen bonding
- _____ 12. H-bonding forms when the substances involved are polar and there are _____.
a. H-atoms of a molecule interact with to O, N, F of other molecules.
b. C-atoms attached to O, N, F.
c. central atoms with O, N, F as attached atoms.
d. unshared pair of electrons in the central atom.
- _____ 13. The amount of energy required to stretch or increase the surface of a liquid by a unit area
a. specific heat b. surface tension c. vapor pressure d. heat of vaporization
- _____ 14. Liquids can form spherical elastic film to minimize surface area. What intermolecular force is responsible for the formation of this film in water?
a. H-bonding b. ion-induced dipole c. dipole-induced dipole d. London dispersion force
- _____ 15. Which group of biomolecules carries and passes on the hereditary information of the organisms?
a. carbohydrates b. lipids c. nucleic acids d. proteins
- _____ 16. What are the elements that make up carbohydrates?
a. C and H b. C, H and N c. C, H and O d. C, H, O and N
- _____ 17-19. Is carbohydrates one of the most important biological macromolecules needed by a human body?
a. Yes, because it is the primary source of energy. 3
b. Yes, because it can be a storage of energy for a long period of time. 1
c. Yes, because it can be found in rice, cereals, fruits and pastas. 2
d. Yes, because it carries genetic information. 0
- _____ 20. The measure of how fast is the change in the concentration of the reactants or products in a chemical reaction.
a. Activation Energy b. Activation Rate c. Chemical Reaction d. Concentration
- _____ 21. A chemical change that occurs when two or more substances combine to form a new substance.
a. Activation Energy b. Chemical Kinetics c. Chemical Reaction d. Product

Section 2review Answer Key Physical Science

JG Myers



Section 2review Answer Key Physical Science:

The Top Books of the Year Section 2review Answer Key Physical Science The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the fascinating narratives that have captivated audiences this year. Section 2review Answer Key Physical Science : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Section 2review Answer Key Physical Science : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens' "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and thrilling novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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