

PHYSICAL SCIENCE

Division Diagnostic Test

S.Y. 2022-2023

NAME: _____

DATE _____

Strand/Section _____

SCORE _____

Directions: Read the questions and choose the best answer. Write your answer on the space before the number.

- _____ 1. Which of the following is NOT an evidence of star formation?
a. hydrogen
b. helium
c. infrared Radiation
d. rocks
- _____ 2. How is the energy of star produced?
a. By combustion
b. By decomposition
c. by nuclear fission
d. by nuclear fusion
- _____ 3. Which phase of star will be created after the end of red giant?
a. black hole
b. red super giant
c. supernova
d. white dwarf
- _____ 4. The following molecules have polar covalent bonds EXCEPT?
a. NH₃
b. CS₂
c. BCl₃
d. HBr
- _____ 5. Which of the following bonds is the MOST polar?
a. H-Cl
b. C-Cl
c. H-H
d. N-F
- _____ 6. Which of the following IMFAs is considered as the weakest?
a. H-bonding
b. Ion-dipole
c. Dipole-dipole
d. London forces
- _____ 7. The boiling point of water is greater than dihydrogen sulfide because of _____.
a. Dipole-dipole bond
b. H-bonding
c. London dispersion
d. Ion-dipole
- _____ 8. Which is known as the biggest stars in the universe.
a. main sequence star
b. red giant
c. red super giant
d. white dwarf
- _____ 9. Which biomolecular group carries and passes on the hereditary information of the organism?
a. carbohydrates
b. lipids
c. nucleic acids
d. proteins
- _____ 10. Which biomolecules are significant features of the cell membrane?
a. carbohydrate and nucleic acid
b. lipid and nucleic acid
c. nucleic acid and protein
d. protein and lipid
- _____ 11. Which of the following gases are major components of star?
a. carbon and oxygen
b. helium and carbon
c. hydrogen and carbon
d. hydrogen and helium
- _____ 12. Which of the following statements is FALSE?
a. The core of red giant star is made up of carbon
b. The average star has shorter life span
c. The more massive the star is the faster it burns its fuel
d. No elements heavier than Iron can be produced in a massive star
- _____ 13. Atom is the basic unit of a chemical element. What are the atoms that make up carbohydrates?
a. C and H
b. C, H and N
c. C, H and O
d. C, H, O and N
- _____ 14. Which organic molecule gives fast source of energy?
a. carbohydrates
b. lipids
c. nucleic acids
d. proteins
- _____ 15. Which is the first stage of a star's life cycle?
a. black hole
b. nebula
c. protostar
d. white dwarf

Physical Science Test Two 2 September 2014

Adam Owen



Physical Science Test Two 2 September 2014:

Physical Science Test Two 2 September 2014 Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has be more evident than ever. They have the capability to inspire, provoke, and ignite change. Such is the essence of the book **Physical Science Test Two 2 September 2014**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Compiled 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 impact on readers.

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