



BIOLOGY

BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

MODEL QUESTION PAPER -1

Choose The Correct Answers

1. The components of water can be separated

by

- A. Physical method
- B. Chemical method
- C. Both
- D. They cannot be separted

Answer: B

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2. Chromosomes are made up of nucleic acid

and

A. Phosphorus

- **B.** Protein
- C. Sugar
- D. Calcium

Answer: B



3. The tissue which forms gland is

A. Epithelal

B. Connective

C. Nervous

D. Muscle

Answer: A

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4. In which the repoductive organs are hidden

A. Crytagamae

B. Phanerogamae

C. Gymnospherms

D. Angiosperms

Answer: A



5. Fielder giving a swing while catching a ball

is an example of

A. Inertia

B. Momentum

C. Newton's II law of motion

D. Newton's I law of motion

Answer: C



6. The relative density of silver is 10.8 and the density of water is 10 3 kg $/m^2$. The density of silver is

A. $1.8 imes 10^4 N/m^3$

B. $10.8 imes10^4 kg/m^3$

C. $1.8 imes 10^4 kg/m^3$

D. $1.08 imes10^4 kg/m^3$

Answer: B

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7. How much till will be required to perform520J of work at the rate of 20 w ?

B. 16 s

C. 20 s

D. 26 s

Answer: D

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8. Dolphins, bats and propoise use

A. Ultrasound

B. Infra sound

C. both (a) and (b)

D. None of these

Answer: A



9. Trypanosoma, Lcishmania and Plasmodium.

are the examples of

A. Virus

B. Bacteria

C. Protozoa

D. Worm

Answer: C



10. Atomic energy is obtained by using ores of

A. Copper

B. Uranium

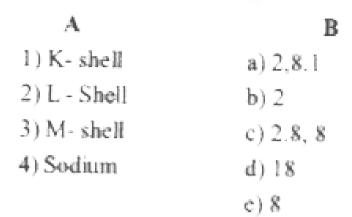
C. Neither (a) or (b)

D. Both (a) and (b)

Answer: B



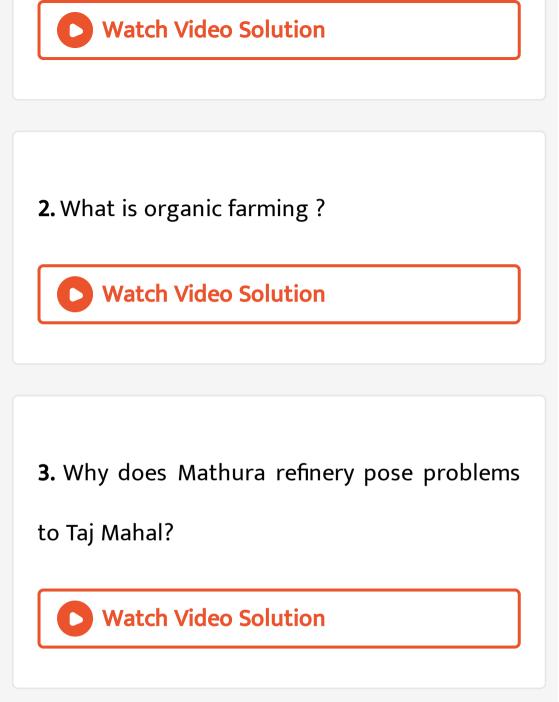
1. Match the following :-

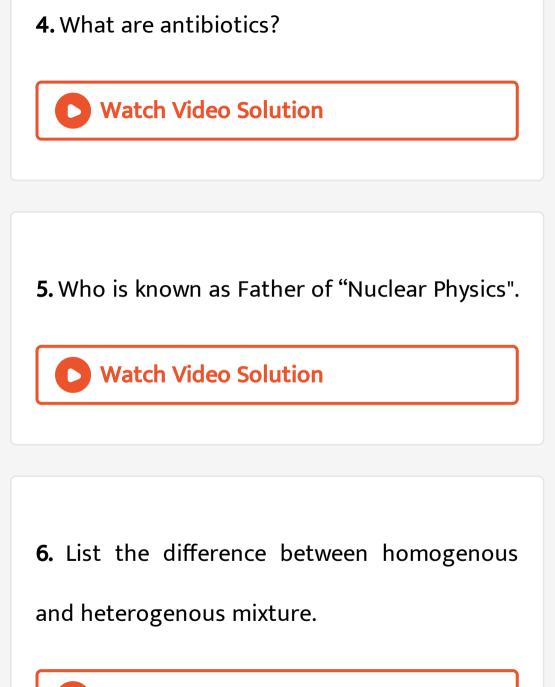


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Answer The Following In Sentence

1. What do you mean by latent heat of fusion?





7. Write the chemical formulae of the following:

- a) Magnesium chloride
- b) Copper nitrate
- c) Calcium oxide
- d) Aluminium chloride
- e) Calcium carbonate



8. Define valency by taking examples of silicon

and oxygen.

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9. What are plasma membrane ? What are

their functions ?

10. Name the following:

a) Tissue that forms the inner lining of our mouth

- b) Tissue that connects muscle to bone in humans
- c) Tissue that transport food in plants
- d) Tissue that stores fat in our body .

11. How do gymnosperms and angiosperms

differ from each other?

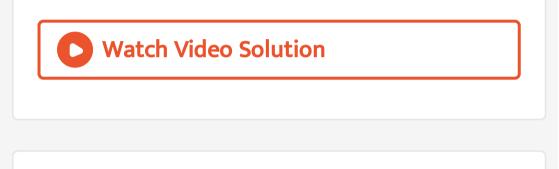
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12. State the difference in balanced and

unbalanced force.

13. A battery lights a bulb. Describe the energy

changes involved in the process.



14. Define amplitude , time period and

frequency of sound wave.



15. Give the difference between acute disease

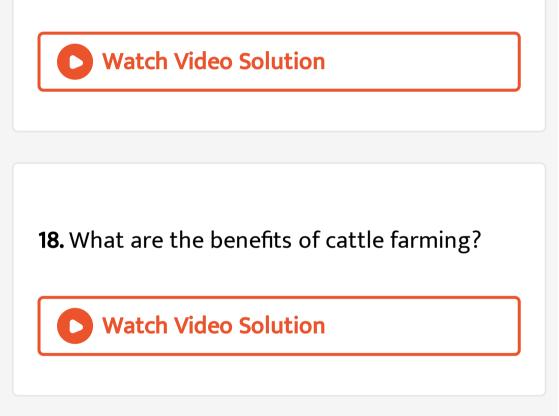
and chronic disease.

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16. What are biogeochemical cycles ? Name the gas that is incorporated into life forms through photosynthesis

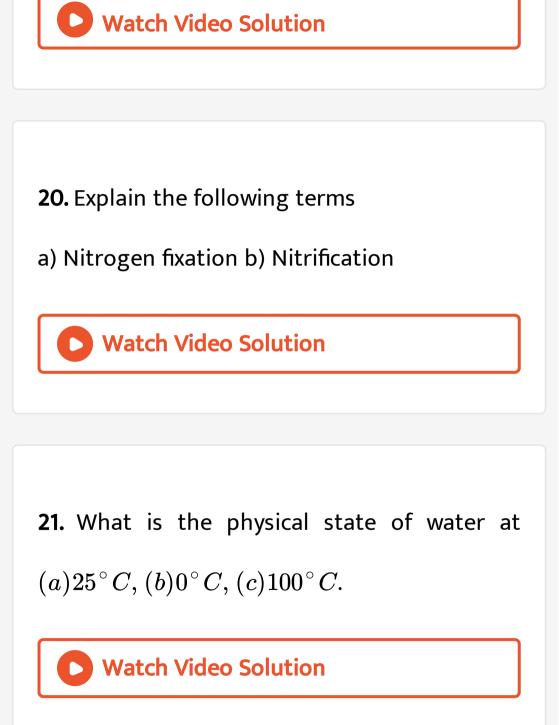
17. What is genetic manipulation? how it is

useful in agricultural practices?



19. Give the common methods of transmission

of diseases.



22. Calculate the number mass of following substance.

a) Ethyne , $C_2 H_2 O$

b) Sulphur molecule , S_8

Phosphorus molecules , P_4

d) Nitric acid, HNO_3

Nitric and , HNO_3

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23. Differentiate between parenchyma collenchyma and sclerenchyma on the basis of



24. Differentiate between striated unstriated and cardiac muscles on the basis of their structure and site / location in the body

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25. What are the advantages of classifying organisms ?



26. A bullet of mass 20 g is horizontally fired

with a velocity 150 m/s from a pistol of mass 2

kg. What is the recoil velocity of the pistol?

