



BIOLOGY

BOOKS - NAVNEET PUBLICATION

**BOARD'S SHEET ACTIVITY MARCH
2020**

EXERCISE

1. Transfer of information from molecule of
DNA to mRNA is called as _____ process.

A. Transcription

B. Translation

C. Translocation

D. Mutation



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2. Choose the correct alternative and write that alphabet against the sub-question number:

Body breaks up into several fragments and each fragment begins to live as a new individual. This istype of reproduction.

regeneration

fragmentation

binary fission

budding

A. Budding

B. Fragmentation

C. Regeneration

D. Binary fission



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3. Choose the correct alternative and write its alphabet against the sub question number:

Incomplete combustion of fuels leads to formation of

A. Carbon monoxide

B. Carbon dioxide

C. Chlorofluorocarbon

D. Hydrogen sulphide



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4. The Spindle fibres start appearing from _____ stage of Karyokinesis.

A. Prophase

B. Metaphase

C. Anaphase

D. Telophase



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5. Rewrite the statement using correct option and explain the completed statement

Salts which can be used as supplement of calcium and iron are obtained from _____ acid.

A. Carbonic acid

B. Acetic acid

C. Citric acid

D. Gluconic acid



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6. Find the odd one out:

Drying , salting, cooking, soaking with sugar



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7. Find the correlation :

Annelida : Earthworm :: Platyhelminthes :

.....



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8. State whether true or false:

Tobacco containing substances cannot cause cancer of mouth and lungs.



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9. Solve the following questions:

Write function of testes.



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10. Name the following :

I am a connecting link between reptiles and mammals. Who am I?



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11. Give scientific reasons:

Indians should follow family planning for controlling the population.



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12. Give scientific reasons:

We feel exhausted after exercising.



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13. Give scientific reasons:

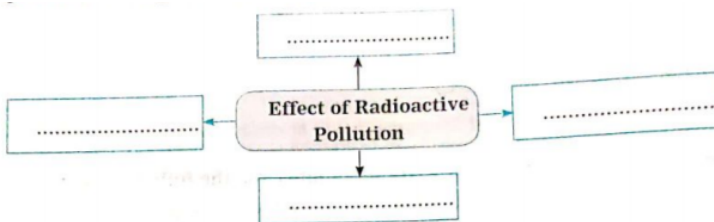
Hydroelectric energy, solar energy and wind energy are called renewable energies.



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14. Solve the following questions:

Complete the flow chart:



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15. Aves and Mammalia



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16. By Observing given picture, write any two effects of this disaster:





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17. Answer the following question:

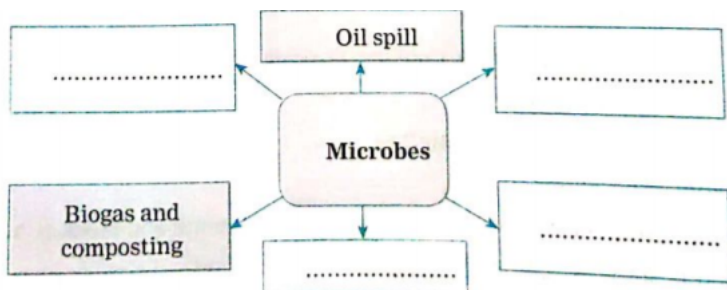
Explain four ways to minimize stress?



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18. Solve the following questions:

Complete the following conceptual picture :





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19. Answer the following question:

Explain with suitable examples importance of anatomical evidences in evolution.



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20. Child of your neighbour is addicted to tobacco chewing.



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21. What will you do? Why? Your friend has developed the hobby of snapping selfies.



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22. Your sister has become uncommunicative. She prefers to remain alone.



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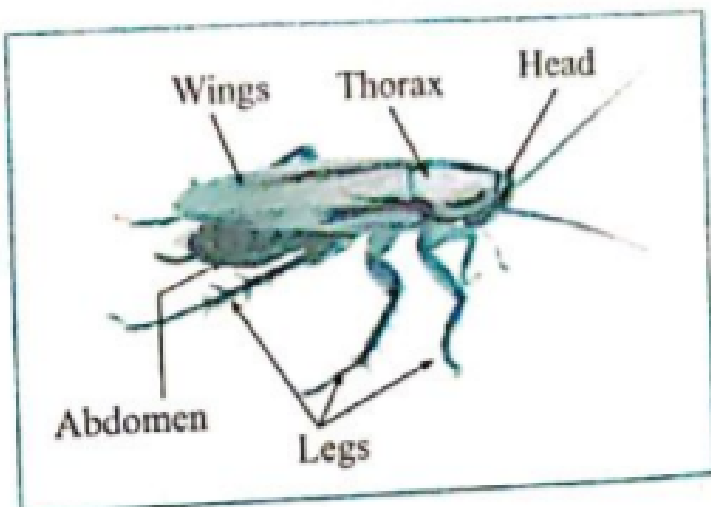
23. Which precautions are necessary for proper decomposition of domestic waste ?



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24. Solve the following questions:

Observe the following diagram. Write the answers of the following questions.



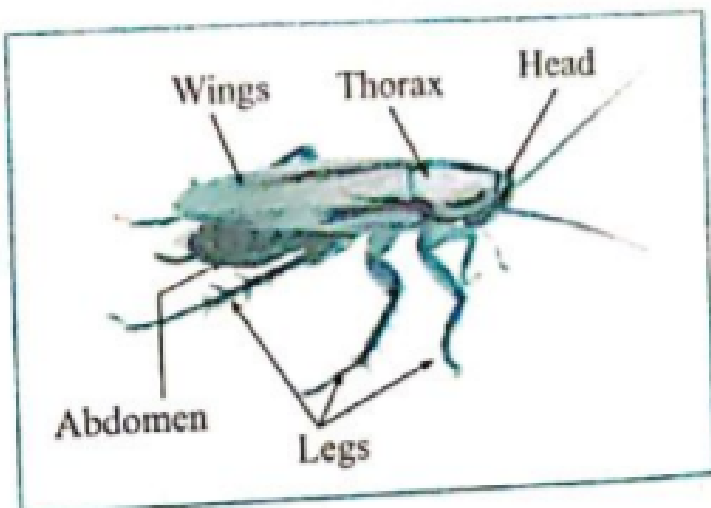
To which phylum does the animal included in the diagram belong?



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25. Solve the following questions:

Observe the following diagram. Write the answers of the following questions.



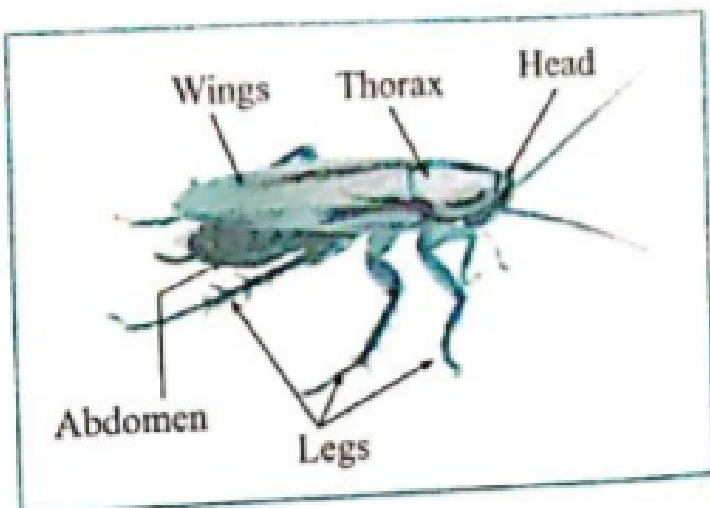
What is the exoskeleton made up?



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26. Solve the following questions:

Observe the following diagram. Write the answers of the following questions.



What is the symmetry?



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27. Answer the following questions in short:

Explain the following concepts in shorts:

Surrogacy



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28. Answer the following questions in short:

Explain the following concepts in shorts:

In vitro Fertilization (IVF)



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29. Answer the following questions in short:

Explain the following concepts in shorts:

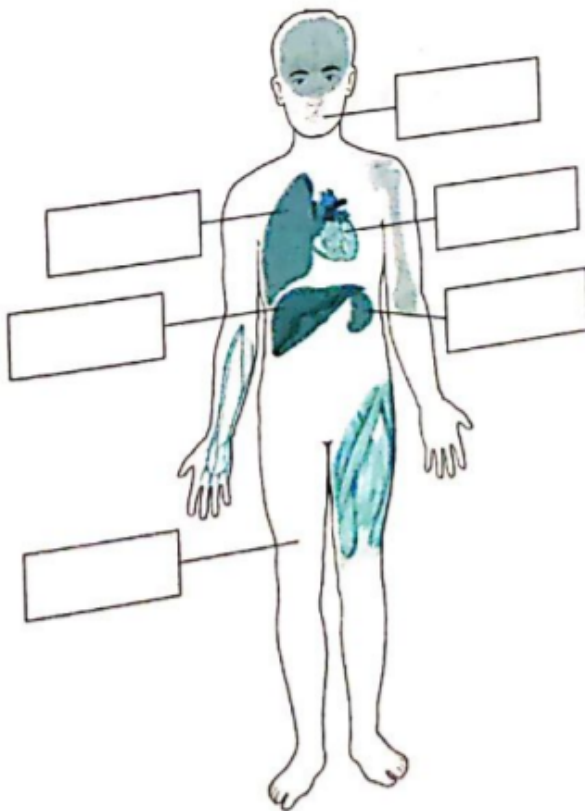
Sperm Bank



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30. Solve the following questions:

Label the body organization of human which has been shown in the following figure:



31. Solve the following questions:

Make a table based on forms of energy and corresponding devices:

Forms of Energy	Devices
(1) Electric
(2) Mechanical	Sewing machine, Bicycle
(3) Thermal
(4)	Solar cooker, Solar heater



32. Complete the paragraph by choosing the appropriate words given in the brackets:

Complete the paragraph using proper words:

(mechanical, Rhizobium, aquatic, Toxic, CO_2 Nitrogen, Pseudomonas, Amoeba, bacteria, hydrocarbons)

Spilling of petroleum oil occurs in ocean due to various reasons. This oil may prove fatal and toxic to organisms. It is not easy to remove the oil layer from surface of water by method. However, bacteria like spp. and *Alcanovorax borkumensis* have the

ability to destroy the pyridines and other chemicals. Hence, these are used to clear the oil spills. These are called hydrocarbonoclastic bacteria (HCB). HCB decompose the and bring about the reaction of carbon with oxygen. and water is formed in this process.



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33. Attempts at various levels are performed for conserving environment. Which role would

you like to perform. Give two actions each :

Prevention



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34. Solve the following questions:

Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each:

Control



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35. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Production



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36. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Awareness



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37. Attempts at various levels are performed for conserving environment. Which role would you like to perform. Give two actions each :

Conservation



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38. What is biotechnology?



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39. Answer the following questions:

Give one use of Biotechnology.



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40. Answer the following questions:

Give one commercial use of Biotechnology



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41. Answer the following questions:

Write two bacterial examples of biofertilizers.



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42. Answer the following questions:

Write two names of crops genetically developed.



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