

BIOLOGY

BOOKS - SARAS PUBLICATION

THE LIVING WORLD

Example

1. What is Ecosytem?



2. What is classification? **Watch Video Solution** 3. What are halophiles? **Watch Video Solution**

4. What are thermoacidophiles?

5. Define species



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6. Define genus



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7. What is monotypic genus?



8. What is polytypic genus? **Watch Video Solution** 9. Define chordata **Watch Video Solution**

10. Define Mammalia



11. Define Primata



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12. Define Hominidae



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13. Define Homo



14. Define Hom sapiens



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15. What is nomenclature?



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16. What is Binomial Nomenclature?



17. Define tautonym



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18. Define museum



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19. Define zoological parks



20. What is DNA barcoding?

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21. What is taxonomical key?



22. Differentiate between probiotic and pathogenic bacteria.



23. What is the difference between a Zoa and wild life sanctuary?



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24. Differentiate between probiotic and pathogenic bacteria



25. Why mule is sterile in nature?



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26. List any five salient features of the family Felidae.



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27. What is the difference between a Zoa and wild life sanctuary?

28. What is the role of Charles Darwin in relation to concept of species?



29. Why elephants and other wild animals are entering into human living area?



30. Can we use recent molecular tools to identify and classify organisms?



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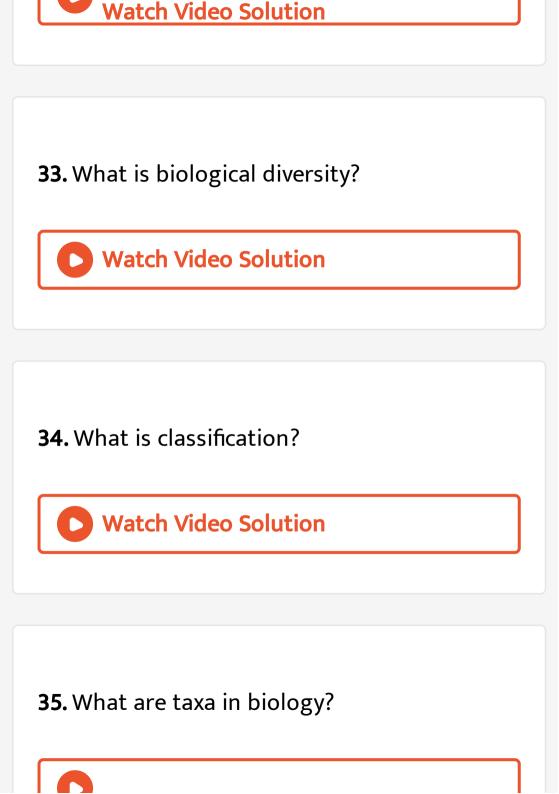
31. Explain the role of Latin and Greek names in Biology.



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32. Ecosystem







36. Where does the word tax taxonomy come from?



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37. Name the five kingdoms defined by R.H.

Whittaker



Watch Video Solution 39. What organisms belong to the domain Archaea? **Watch Video Solution 40.** What organisms belong to the domain Bacteria?

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38. What are the three domians of life?

41. What organisms belong to the domain Eukarya?



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42. Why are archaea called extremophiles?



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43. What are halophiles?



44. What are thermoacidophiles?



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45. Define species



Watch Video Solution

46. Define genus



47. What is monotypic genus?



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48. What is polytypic genus?



Watch Video Solution

49. Define chordata



50. Define Mammalia



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51. Define Primata



Watch Video Solution

52. Define Hominidae



53. Define Homo



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54. Define Hom sapiens



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55. What is Nomenclature?



56. What is Binomial Nomenclature?



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57. Write the binomial name for the following common names of animals.



58. Define tautonym



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59. Define museum



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60. Define zoological parks



61. What are the printed taxonomical tool? **Watch Video Solution 62.** What is DNA barcoding? **Watch Video Solution** 63. What is the use of DNA hybridization? **Watch Video Solution**

64. What is the use of DNA fingerprinting?

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65. What is PCR?



66. What does ALIS stand for?



67. What does DAISTY stand for? **Watch Video Solution** 68. What does ABIS stand for **Watch Video Solution**

69. What does SPIDA stand for

70. What does draw wing mean?



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71. What do you know about neo taxonomical tools?



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72. What do you know about ethology of taxonomical tools?



73. What does INOTAXA mean?



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74. What is e-taxonomic resources?



75. When was the Bhupathy's purple frong discovered?



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76. What are the main criteria of systematics?



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77. How did Aristotle classify animals?



78. What is numerical taxonomy?



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79. What is meant by phylogenetic classification?



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80. Write notes on Thermus aquaticus



81. Name the six kingdoms



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82. Name the seven kingdoms



83. What are the major catergories of hierarchical taxonomic organization?



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84. Write the systematics of human being



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85. Write the resultant animal when there is a cross between

Male horse with female Donkey



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86. Write the resultant animal when there is a cross between

Male donkey with female horse



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87. Write the resultant animal when there is a cross between

male lion with female tiger **Watch Video Solution** 88. Write the resultant animal when there is a cross between Male tiger with female lion **Watch Video Solution 89.** What is family in classification? **Watch Video Solution**

90. What is order in classification?

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91. What is class in classification?



92. What is phylum?



93. What is kingdom?



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94. Name the classical taxonomical tools.



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95. What is taxonomic key?



96. Name some molecular techniques used for taxonomical classification.



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97. What is RFLP?



98. Name some Automated Species identification tools or Cyber tools.



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99. What may be the reasons for the extinction of Dinosaurs? If you know the reasons for their extinction, why sparros are listed as endangered species.



100. What are the key characters of living organisms?



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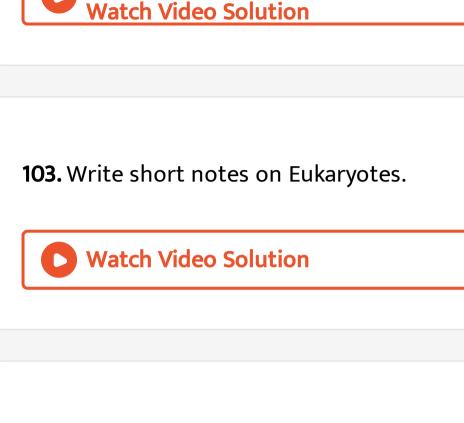
101. What are the basic needs for classification?



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102. Write short notes on Bacteria





104. Write short notes on trinomial



105. What are the rules of Nomenclature?



106. Write short notes on concept of species



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1. Molecular taxonomic tool consists of

A. DNA and RNA

B. Mitochondria and Endoplasmic

reticulum

C. Cell wall and Membrane proteins

D. All the above

Answer:



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2. A group of organisms having similar traits of a rank is

- A. Species
- B. Taxon
- C. Genus
- D. Family



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3. Cladogram considers the following characters

- A. Physiological and Biochemical
- B. Evolutionaryand Phylogenetic
- C. Taxonomic and systematic
- D. None of the above



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4. Who proposed five kingdom classification?

Mention the five kingdoms.

- A. Cavalier-Smith
- B. Carl Woese
- C. R.H. Whittake
- D. Carolus Linnaeus



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5. The term 'systematics' refers to

A. Identification and classification of plantsand animals

B. Nomenclature and identification plants and animals

C. Diversityof kindsof organismsand their relationship

D. Different kinds of organisms and their classification

Answer:



6. Differentiate between probiotic and pathogenic bacteria.



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7. Why mule is sterile in nature?



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8. What is biological diversity?



9. Define species



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10. What is DNA barcoding?



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11. What is PCR?



12. List any five salient features of the family



13. Name some molecular techniques used for taxonomical classification.



14. What is phylum?



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15. What are the major catergories of hierarchical taxonomic organization?



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16. What is RFLP?



17. What is classification?



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18. Write the basic needs for classification (any three only)?



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19. What is order in classification?



20. What is Nomenclature?



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21. What are the rules of Nomenclature?



22. Explain the role of Latin and Greek names in Biology.



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A. Reproduction

B. Growth

C. Metabolism

D. Movement

Answer:



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24. A group of organisms having similar traits of a rank is

A. Species

B. Genus

C. Taxon

D. Family

Answer:



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25. Every unit of classification regardless of its rank is

A. Taxon

B. Variety

C. Species

D. Strain

Answer:



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26. Which of the following is not present in same rank?

A. Primata

B. Orthoptera

C. Diptera

D. Insecta

Answer:



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27. What taxonomic aid gives comprehensive information about a taxon?

A. Taxonomic Key

B. Herbarium

C. Flora

D. Monograph

Answer:



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28. Who coined the term Bio-diversity?

A. Walter Rosen

B. AG Tansley

C. Aristotle

D. AP de Candole



- **29.** Cladogram considers the following characters
 - A. Physiological and Biochemical
 - B. Evolutionary and Phylogenetic
 - C. Taxonomic and systematic
 - D. None of the above



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30. Molecular taxonomic tool consists of

- A. DNA and RNA
- B. Mitochondria and Endoplasmic
- C. Cell wall and Membrane proteins
- D. All the above

Answer:



31. Taxonomy is the science of



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32. Who coined the word Taxonomy?



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33. Who is the father of Taxonomy?



34. ___is the father of modern taxonomy and found of systematics.



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35. Father of Botany

A. Theophrastus

B. Carolus Linnaeus

C. John Ray

D. Aristotle

Answer:



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36. ___ published the methodus plantarum nova



37. Binomial nomeclature was introduced by



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38. ____ was the founder of moder systematics



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39. ____introduced the method of representing evolutionary relationships with the help of a tree diagram

40. Who proposed five kingdom classification?

Mention the five kingdoms.

A. Cavalier-Smith

B. Carl Woese

C. R.H. Whittaker

D. Carolus Linnaeus

Answer:



41. Three domain classification was proposed by:



42. Methanogens are ____ producing

Achaebacterium



- **43.** What are cyanobacteria?
 - A. All photosynthetic algae
 - B. Photosynthetic blue green algae
 - C. Photosynthetic Bacteria
 - D. Cyanide producing bacteria



44. revised the six kingdom system to seven kingdom system



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45. Which is the basic unit of classification?



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popularised the binomial 46. nomenclature

47. The trinomial nomenclature was proposed by



48. ___established species as the ultimate unit of taxonomy. (He coined the term species).



49. The book "Systema naturae" was written by_____

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50. "Historia Generalis Plantarum" was written by ___



51. ____ wrote the book origin of species.

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52. _____ is the largest zoological park in India.



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53. What is the another name of Arignar Anna zoological park?

A. Kanpur zoological park

B. Vandalur zoological park

- C. Rajiv Gandhi zoological park
- D. Indira Gandhi zoological park



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54. The scientific name of Bhupathy's purple frog is_____



55. Which one of the following is not an archea bacterium?

- A. Methanogens
- B. Halophiles
- C. Cyanobacteria
- D. Thermoacidophiles

Answer:



56. Halophiles survive in	Environment.

- A. Hot environment
- B. Salty environment
- C. Acidic environment
- D. Moisty environmment



57. Mathc the following and select the correct

option

- A. Male horse and Female donkey
- B. Male donkey and Female horse
- C. Male lion and Female Tiger
- D. Male tiger and Female lion
- I) Mule
 - ii) Tigon
- iii) Hinny
- iv) Liger

- A. A-ii,B-i,C-iv,D-ii
- B. A-iii,B-ii,C-i,D-iv
- C. A-ii,B-iv,C-i,D=iii
- D. A-iv,B-iii,C-ii,D-i

Answer:



58. Mathc the following and select the correct

option

A- Museum

- i) e-Taxonomic resources

B-DAISY

- ii) Molecular techniques

C-DNA barcoding

- iii) Classical tool

D-INOTAXA

- iv) Automated species identification tool

A. A-iv,B-iii,C-i,D-ii

B. A-iii, B-iv, C-ii, D-i

C. A-iii,B-iv,C-i,D=ii

D. A-ii,B-iii,C-iv,D-i

Answer:

59. Select the odd one

A. Museum

B. Zoological park

C. Herbarim

D. Marine park

Answer:



- 60. The term 'systematics' refers to
 - A. Identification and classification of plant and animals
 - B. Nomenclature and identification of plants and animals
 - C. Diversity of kinds of organisms and their relationship
 - D. Different kinds of organisms and their classification



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61. Select the odd one

A. Identification cards

B. Electron microscopy

C. Description

D. Field guides

Answer:

