



BIOLOGY

BOOKS - BETOPPERS

CLASSIFICATION OF LIVING BEINGS

Formative Worksheet

1. The process of grouping living things on the basis of similarities and differences is called

A. Nomenclature

B. Classification

C. Taxonomy

D. All

Answer:



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2. Statement-I: Classification makes the study of living organisms simpler and easier.

Statement-II: It helps in easy identification of different organisms.

- A. Statement-I is true, Statement -II is false
- B. Statement-I is false, Statement -II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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3. Living organisms are divided into

A. Plant kingdom

B. Animal kingdom

C. Both

D. None

Answer:



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4. Which of the following members resemble each other?

A. Species

B. Genere

C. Class

D. None

Answer:



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5. The animals which have no backbone or bony skeleton are called

A. Vertebrates

B. Invertebrates

C. Aves

D. Mammals

Answer:



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6. Which of the following is an invertebrate?

A. Amoeba

B. Euglena

C. sea anemone

D. All

Answer:



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7. Snail is

- A. A vertebrate
- B. An invertebrate
- C. Both
- D. None

Answer:



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8. The animals which have backbone or bony skeleton are called

A. Vertebrates

B. Invertebrates

C. Aves

D. Mammals

Answer:



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9. Which of the following is a vertebrate?

A. Fishes

B. Frog

C. Snake

D. All

Answer:



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10. Kangaroo is

A. a vertebrate

B. an invertebrate

C. both

D. none

Answer:



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11. Single celled organisms belong to

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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12. Which of the following is a protozoan?

A. Sponge

B. Hydra

C. Paramecium

D. Star fish

Answer:



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13. Which of the following is not a protozoan?

A. Sea anemone

B. Ascaris

C. Earthworm

D. Brittle fish

Answer:



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14. Sycon belongs

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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15. Which of the following is not a poriferan?

A. Sycon

B. Spongilla

C. Both

D. None

Answer:



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16. Hollow sac animals belong to

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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17. Which of the following belongs to coelenterata?

A. Sponge

B. Hydra

C. Paramecium

D. Star fish

Answer:



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18. Statement - I: Round worms are included in Helminths.

Statement - II: Flat worms are included in Helminths

A. Statement - I is true, Statement - II is false

B. Statement - I is false, Statement- II is true.

C. Both statements are true.

D. Both statements are false.

Answer:



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19. Tapeworm belong to

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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20. Statement - I: Animals with segmented bodies are included in Helminths.

Statement - II: Earthworm belongs to annelida.

A. Statement - I is true, Statement - II is false

B. Statement - I is false, Statement - II is true

C. Both statements are true

D. Both statements are false

Answer:



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21. Which of the following does not belong to annelida?

A. Earthworm

B. Leech

C. Snail

D. Spider

Answer:



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22. Exoskeleton is present in the animals of

A. Protozoa

B. Porifera

C. Arthropoda

D. Annelida

Answer:



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23. Which of the following belongs to arthropoda?

A. Butterfly

B. Cockroach

C. Spider

D. None

Answer:



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24. Snail belongs to

A. Echinodermata

B. Helminths

C. Annelida

D. Mollusca

Answer:



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25. Spiny skinned animals are placed in

- A. Arthropoda
- B. Helminths
- C. Annelida
- D. Echinodermata

Answer:



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26. Match the following

Column – I

- (k) Protozoa
- (l) Porifera
- (m) Coelenterata
- (n) Helminths

Column- II

- (p) *Ascaris*
- (q) *Hydra*
- (r) *Sycon*
- (s) *Euglena*



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27. Match the following

Column – I

- (k) Annelida
- (l) Arthropoda
- (m) Mollusca
- (n) Echinodermata

Column- II

- (p) Sea urchin
- (q) Octopus
- (r) Scorpion
- (s) Leech



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28. Match the following

Column – I (body)

- (k) Spiny skin
- (l) Soft and segmented
- (m) Porus
- (n) Hollow sac

Column- II (group)

- (p) Annelida
- (q) Echinodermata
- (r) Porifera
- (s) Coelenterata



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29. Match the following

Column – I (body)

- (k) One celled
- (l) Soft and unsegmented
- (m) Flat, long & cylindrical
- (n) Joint legs

Column- II (group)

- (p) Mollusca
- (q) Helminths
- (r) Arthropoda
- (s) Protozoa



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30. Statement-1: The body of Pisces is streamlined that helps in swimming.

Statement-II: Fishes breathe through gills

- A. Statement-I is true, Statement -II is false
- B. Statement-I is false, Statement -II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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31. Which of the following is an amphibian?

A. Fish

B. Frog

C. Crocodile

D. Pigeon

Answer:



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32. Which of the following is a reptilian?

A. Tortoise

B. Crocodile

C. Both

D. None

Answer:



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33. Which of the following group of animals are covered with feathers?

A. Pisces

B. Amphibians

C. Reptiles

D. Aves

Answer:



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34. Bat belongs to

A. Amphibians

B. Reptiles

C. Mammals

D. Aves

Answer:



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35. Which of the following animals lay eggs?

A. Amphibians

B. Reptiles

C. Aves

D. All

Answer:



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36. Match the following.

Column – I

(k) Amphibian
(l) Reptilian
(m) Avian
(n) Mammalian

Column- II

(p) Rabbit
(q) Pigeon
(r) Crocodile
(s) Frog



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37. Statement-I: Alga is a flowering plant.

Statement-II: Mango is a non flowering plant.

A. Statement-I is true, Statement -II is false

B. Statement-I is false, Statement-II is true

C. Both statements are true

D. Both statements are false

Answer:



38. The shape of bacteria is

- A. Spherical
- B. Rod-shaped
- C. Spiral
- D. All

Answer:



39. Statement-I: Some bacteria can prepare its own food material.

Statement-II: Some bacteria can not prepare its own food material.

- A. Statement-I is true, Statement -II is false
- B. Statement-I is false, Statement-II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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40. Statement-I: Bacteria are multicellular.

Statement-II: All algae are unicellular.

- A. Statement-I is true, Statement-II is false
- B. Statement-I is false, Statement -II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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41. Which of the following is an alga?

A. Chlamydomonas

B. Moss

C. Fern

D. Mushroom

Answer:



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42. Which of the following plant group is found in moist and shady places?

A. Bacteria

B. Algae

C. Pteridophyta

D. Fungi

Answer:



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43. Which of the following belongs to Bryophyta?

A. Spirogyra

B. Mushroom

C. Moss

D. Fern

Answer:



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44. Which of the following is true for fern?

- A. It belongs to Pteridophyta
- B. It is found in moist and shady places.
- C. It is green in colours
- D. All the above

Answer:



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45. Statement-I: Gymnosperms, the plants bearing seeds but no fruits.

Statement-II: Angiosperms, the plants bearing seeds which are enclosed inside fruits

- A. Statement-I is true, Statement -II is false
- B. Statement-I is false, Statement-II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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46. Which of the following is a gymnosperm?

A. Mango

B. Guava

C. Cycas

D. Brinjal

Answer:



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47. Which of following is not a dicotyledonous plant?

A. Maize

B. Wheat

C. Rice

D. All

Answer:



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48. Match the following

Column – I

- (k) Bacteria
- (l) Algae
- (m) Fungi
- (n) Bryophyta

Column- II

- (p) moss
- (q) *Mucor*
- (r) *Volvox*
- (s) *Escherichia coli*



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49. Match the following

Column – I

- (k) Bacteria
- (l) Algae
- (m) Fungi
- (n) Bryophyta

Column- II

- (p) *Diplococcus pneumoniae*.
- (q) *Spirogyra*
- (r) *Rhizopus*
- (s) Liverwort



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50. Match the following

Column – I

- (k) Bryophyta
- (l) Pteridophyta
- (m) Gymnosperm
- (n) Angiosperms

Column- II

- (p) horse-tails
- (q) *Pinus*
- (r) water hyacinth
- (s) moss



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51. Which of the following is a shrub?

A. Rose

B. Lemon

C. Lantana

D. All

Answer:



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52. Which of the following has hard and woody stem?

A. Petunia

B. Pomegranate

C. Henna

D. Peepal

Answer:



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53. Radish is

A. an annual

B. a biennial

C. a perennial

D. All

Answer:



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54. Match the following

Column – I

(k) Annual

(l) Biennial

(m) Perennial

Column- II

(p) wheat

(q) turnip

(r) palm



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55. Which of the following is a saprophyte?

A. Cuscuta

B. Yeast

C. Mushroom

D. Viscum

Answer:



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56. Match the following

Column – I

(k) Mesophyte

(l) Hydrophyte

(m) Xerophytes

Column- II

(p) babool

(q) Mango

(r) algae



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57. Match the following

Column – I (Animal/Plant)

- (k) Frog
- (l) Housefly
- (m) Banana
- (n) Onion

Column- II (Scientific name)

- (p) *Musca domestica*
- (q) *Rana tigrina*
- (r) *Allium cepa*
- (s) *Musa sapientum*



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58. Match the following

Column – I (Animal/Plant)

- (k) Man
- (l) Indian tiger
- (m) Mango
- (n) China rose

Column- II (Scientific name)

- (p) *Hibiscus rosa-sinensis*
- (q) *Mangifera indica*
- (r) *Panthera tigris*
- (s) *Homo sapiens*



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Conceptive Worksheet

1. Classification includes

A. Grouping

B. Identification

C. Naming

D. All

Answer:



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2. Statement-I: Affinities or relationships between different organisms are easily known through classification

Statement-II: Classification helps in tracing the possible origin of organisms.

- A. Statement-I is true, Statement -II is false
- B. Statement-I is false, Statement-II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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3. The lowest category of classification is known as

A. Species

B. Genere

C. Class

D. None

Answer:



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4. Animals are divided into

A. Vertebrates

B. Invertebrates

C. Both

D. None

Answer:



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5. The largest group of invertebrates is

A. Protozoa

B. Porifera

C. Insects

D. Flatworms

Answer:



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6. Which of the following is an invertebrate?

A. Tapeworm

B. Cockroach

C. Earthworm

D. All

Answer:



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7. Which of the following has no backbone or bone skeleton?

A. Fish

B. Frog

C. Pigeon

D. Starfish

Answer:



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8. vertebrates the backbone is made up of several

A. Muscles

B. Arteries

C. veins

D. vertebrae

Answer:



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9. Which of the following is a vertebrate?

A. Lizard

B. Birds

C. Monkey

D. All

Answer:



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10. Which of the following has backbone or bone skeleton?

A. Fish

B. Frog

C. Pigeon

D. Starfish

Answer:



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11. Amoeba belongs

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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12. Which of the following is not a protozoan?

A. Euglena

B. Amoeba

C. Paramecium

D. Star fish

Answer:



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13. Porous animals belong to

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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14. Which of the following is a poriferan?

A. Sponge

B. Hydra

C. Paramecium

D. Star fish

Answer:



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15. Which of the following is not a poriferan?

A. Hydra

B. Flatworm

C. Leech

D. Cockroach

Answer:



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16. Hydra belongs

A. Protozoa

B. Porifera

C. Coelenterata

D. Helminths

Answer:



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17. Which of the following does not belong to coelenterata?

A. Amoeba

B. Sycon

C. Ascaris

D. None

Answer:



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18. Which of the following mostly live inside the body of other animals including humans?

A. Sea anemone

B. Ascaris

C. Earthworm

D. Brittle fish

Answer:



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19. Arthropoda includes

- A. Soft and segmented animals
- B. Soft and unsegmented animals
- C. Pawns animals
- D. Joint footed animals

Answer:



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20. Butterfly belongs to

A. Protozoa

B. Porifera

C. Arthropoda

D. Annelida

Answer:



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21. Animals with soft and unsegmented bodies are included in

A. Protozoa

B. Porifera

C. Annelida

D. Mollusca

Answer:



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22. Starfish belongs to

A. Echinodermata

B. Helminths

C. Annelida

D. Mollusca

Answer:



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23. Body is star shaped or ball shaped in the animals of

A. Porifera

B. Echinodermata

C. Annelida

D. Helminths

Answer:



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24. Brittle fish belongs

A. Echinodermata

B. Helminths

C. Annelida

D. Mollusca

Answer:



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25. Fish belongs to

A. Pisces

B. Amphibians

C. Reptiles

D. Aves

Answer:



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26. The animals that can live both in water and on land are included in

A. Pisces

B. Amphibians

C. Reptiles

D. Aves

Answer:



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27. Which of the following is true for amphibians?

- A. Can live in water as well as on land
- B. Lay eggs in water
- C. Breathe through lungs and moist skin
- D. All the above

Answer:



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28. Pigeon belongs to

- A. Pisces

B. Amphibians

C. Reptiles

D. Aves

Answer:



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29. Which of the following group of animals have hollow bones?

A. Pisces

B. Amphibians

C. Reptiles

D. Aves

Answer:



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30. Which of the following animals give birth to young ones?

A. Amphibians

B. Reptiles

C. Mammals

D. Aves

Answer:



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31. Frog respire with the help of

A. Lungs

B. Moist skin

C. Gills

D. Both (A) & (B)

Answer:



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32. Mammals respire with the help of

A. Lungs

B. Moist skin

C. Gills

D. Both (A) & (B)

Answer:



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33. Kangaroo belongs to

A. Amphibians

B. Reptiles

C. Mammals

D. Aves

Answer:



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34. Bacteria is a

- A. Flowering plant
- B. Non flowering plant
- C. Both
- D. None

Answer:



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35. Algae can prepare its own food material due to the presence of

- A. Chlorophyll
- B. Xanthophylls
- C. Both
- D. None

Answer:



36. Filamentous alga is

A. Chlamydomonas

B. Spirogyra

C. Both

D. None

Answer:



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37. Mushroom belongs to

A. Fungi

B. Algae

C. Pteridophyta

D. Bryophyta

Answer:



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38. Which of the following are flowering plants?

A. Gymnosperms

B. Angiosperms

C. Both

D. None

Answer:



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39. Statement-I: In dicotyledonous plants, seeds contain two seed leaves.

Statement-II: In monocotyledonous plants, seeds contain only one seed leaf

- A. Statement-I is true, Statement-II is false
- B. Statement-I is false, Statement-II is true
- C. Both statements are true
- D. Both statements are false

Answer:



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40. Which of the following is a dicotyledonous plant?

A. Maize

B. Wheat

C. Rice

D. Pea

Answer:



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41. Which of the following is a herb?

A. Mustard

B. China rose

C. Oleander

D. neem

Answer:



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42. Plants which complete their life cycle in one year from seed to flower, fruit and seed and then die, are called

A. Perennials

B. Monocots

C. Monophytes

D. Annuals

Answer:



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43. Which of the following is a biennial?

A. carrot

B. sunflower

C. Neem

D. Mango

Answer:



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44. Which of the following show autotrophic nutrition?

A. Green plants

B. Yeast

C. Mushroom

D. Viscum

Answer:



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45. Which of the following is a true about Cuscuta?

- A. It is a heterotroph
- B. It is a parasite
- C. It is an autotroph
- D. All

Answer:



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46. The modern system of naming living organisms or species is a binomial system. It was introduced by

A. Aristotle

B. Darwin

C. Lamarck

D. Carolus Linnaeus

Answer:



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1. Lowest category of classification is

A. Genus

B. Species

C. Kingdom

D. None of the above

Answer:



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2. Animals without vertebral column are called

A. Vertebrates

B. Mammals

C. Invertebrates

D. Fungi

Answer:



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3. Earthworm belongs to

A. Porifera

B. Arthropoda

C. Annelida

D. Mollusca

Answer:



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4. Pore-bearing animals belong to

A. Protozoa

B. Porifera

C. Coelenterata

D. Annelida

Answer:



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5. Tentacles are present in

A. Hydra

B. Paramecium

C. Snail

D. Tapeworm

Answer:



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6. Respiration through gills occurs in

A. Pisces

B. Amphibia

C. Mammals

D. Reptiles

Answer:



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7. Animals which can live both in water and on-land belong to

A. Mollusca

B. Amphibia

C. Aves

D. Mammals

Answer:



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8. Which of the following is a heterotrophic organism?

A. Mushroom

B. Spirogyra

C. Fern

D. Sunflower

Answer:



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9. An example of a non-flowering plant is

A. Fern

B. Pinus

C. Mango

D. Lotus

Answer:



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10. Aquatic non-flowering plants are

A. Algae

B. Fungi

C. Bryophytes

D. Pteridophytes

Answer:



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11. Seed-bearing plants lacking fruits belong to

A. Dicotyledons

B. Monocotyledons

C. Angiosperms

D. Gymnosperms

Answer:



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12. Which of the following is a perennial plant?

A. Mango tree

B. China-rose

C. Pea plant

D. Rose

Answer:



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13. Maize is a/an

A. Gymnosperm

B. Angiosperm

C. Fern

D. Bryophyte

Answer:



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14. Bryophytes are found in

- A. Moist, shady places
- B. Any open space
- C. Rocky areas
- D. Water

Answer:



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1. _____ is a unicellular plant.



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2. _____ is a unicellular animal.



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3. Binomial system of naming living organisms was given by_____.





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4. A cold-blooded animal is_____



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5. A warm-blooded animal is_____.



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6. Invertebrates with jointed legs belong to
group_____.



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7. Vertebrates which can live _both on land and in water are called_____.



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8. Two spiny-skinned animals are_____and_____.



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9. The non-flowering plants which are green and live in water are called_____.



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10. _____are non-flowering plants which are non-green,



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Summative Worksheet Find The Odd One Out

1. Amoeba, Euglena, Paramecium,
Chlamydomonas.



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2. Bacteria, Chlamydomonas, Spirogyra, Volvox.



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3. Yeast, mushroom, bread mould,
Chlamydomonas.





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4. Cycas, mango, neem, Sunflower



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5. Tapeworm, roundworm, liver fluke,
earthworm.



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6. Starfish, brittle star, sea urchin, crab.



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7. Monkey, cow, humans, crocodile.



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8. Crocodile, tortoise, frog, snake.



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Summative Worksheet True Or False

1. Mushroom is a fungus.



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2. Fern is a flowering plant



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3. Snail is an invertebrate animal.



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4. Bat is a vertebrate animal.



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5. Pinus is a non-flowering plant.



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6. Invertebrates have soft bodies.



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7. Dicotyledonous plants have seeds with one cotyledon



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Summative Worksheet Give The Difference Between

1. Invertebrate and Vertebrate animals



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2. Warm blooded and Cold blooded animals



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3. Flowering and Non-flowering plants



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4. Algae and Fungi



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5. Annuals and Biennials



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6. Gymnosperms and Angiosperms



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7. Herbs and Shrubs



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8. Parasites and Saprophytes



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9. Xerophytes and Hydrophytes



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10. Shrubs and Trees



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Summative Worksheet

1. Why do we need to classify living things?



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2. Why are scientific names of living things considered better than their common names?



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3. Write the scientific names of five commonly available plants and animals.



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4. Give two examples of parasitic animals



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5. Name two herbivores and two carnivores



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6. Classify the following animals into their respective groups: Snail, amoeba, hydra, earthworm, starfish, sea anemone, cockroach, roundworm, spider, sponge, butterfly, bat, whale, crocodile, frog, crow, cow, shark, prawn, butterfly.



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7. Classify the following plants into herbs, shrubs and trees: Neem, mango, china-rose, rose, jasmine, oleander, mustard, sunflower, palm, tulsi and henna.



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8. Classify the following plants into annuals, biennials and perennials: Grass, neem, pea, radish, paddy, rose, guava, balsam.



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9. Classify the animals on the basis of their body covering or coat, giving examples.



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