

TIME:

1 hour.....

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NAME:

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Answer all questions in the space provided.

SECTION A

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|----|-----|-----|----|----|
| 1. | 6. | 11. | 16 | 21 |
| 2. | 7. | 12. | 17 | 22 |
| 3. | 8. | 13. | 18 | 23 |
| 4. | 9. | 14. | 19 | 24 |
| 5. | 10. | 15. | 20 | 25 |

1. Which of the following parts of a cell can be used to differentiate trees from a mushroom?

A. Cellulose cell wall.

B. Cytoplasm.

C. Nucleus.

D. Vacuole.

2. Define a species?

A. Living organisms in the same environment.

B. A population of many classes of organisms.

C. A group of organisms that breed together and produce fertile offspring.

D. A population of organisms that depend on each other.

3. The last step in identifying an organism is to assign it to a

A. Class

B. Family

C. Kingdom

D. Species

4. Which of the following scientists is involved in the study of taxonomy?

A. Darwin

B. Linnaeus

C. Morgan

D. Lamarck

5. Which two of the following are used in naming organisms?

A. Classes and species

B. Class and order

C. Family and kingdom

D. Genus and species

6. Which one of the following protozoa has cilia?

A. Paramecium

B. Euglena

C. Amoeba

D. Plasmodium

7. Which one of the following organisms does not belong to
phylum protista;

A. Bacteria

B. Trypanosomes

C. Amoeba

D. Paramecium

8. To which one of the following genera does a housefly belong;

- A. Lumbricus
- B. Homo
- C. Periplaneta
- D. Musca

9. Which one of the following organisms is a multicellular

- A. Euglena
- B. Paramecium
- C. Amoeba
- D. Hydra

10. Which one of the following substances makes up the cell wall of fungi;

- A. Cuticle
- B. Cellulose
- C. Calcium
- D. Chitin

11. Rhizopus reproduces asexually by;

- A. Binary fusion.
- B. Fragmentation.

C. Sporulation.

D. Budding.

12. The mode of nutrition used by rhizopus is;

A. Heterotrophic.

B. Parasitism.

C. Saprophytic.

D. Autotrophic.

13. Bacteria cells differ from plant and animal cells because

they;

A. Can undergo binary fission.

B. Lack chlorophyll.

C. Lack a nuclear membrane.

D. Lack a cell membrane.

14. Which one of the following is an economic importance of

fungi;

A. Involved in spoilage of meat.

B. Cause diseases in animals only.

C. Fix atmospheric nitrogen to the soil.

D. Cause diseases in both plants and animals.

15. In classification of living things, the immediate subdivision of a class is.
- A. Family.
 - B. Order.
 - C. Phylum.
 - D. Genus.
16. To which one of the following taxa contains the smallest number of organism;
- A. Kingdom.
 - B. Class.
 - C. Species.
 - D. Family.
17. Which one of the following organisms causes HIV
- A. Bacteria.
 - B. Fungi.
 - C. Virus.
 - D. Trypanosomes.
18. Which one of the following organisms does not multiply outside a living cell.
- A. Bacterium.
 - B. Fungus.

C. Virus.

D. Protozoan.

19. Which of the following is a class?

A. Crustacea.

B. Platyhelminthes.

C. Annelida.

D. Monera.

20. Which of the following suits an antelope?

A. Chordata.

B. Nematoda.

C. Annelida.

D. Coelenterata

21. In the classification of organisms which of the following is the correct hierarchy of the taxonomic groups?

A. family genus kingdom class order phylum

B. family genus order phylum kingdom class

C. genus family order class phylum kingdom

D kingdom genus phylum order family class

22. Which one of the following fruits has parietal placentation?

A. Pawpaw..

B. Redpepper.

C. Lemon.

D. pineapple.

23. Which one of the following fruits has axile placentation?

A. Pawpaw.

B. Redpepper.

C. Lemon.

D. pineapple.

24. Which one of the following fruits has free central placentation?

A. Pawpaw.

B. Redpepper.

C. Lemon.

D. pineapple

25. Which one of the following fruits is a multiple fruit?

A. Pawpaw.

B. Redpepper.

C. orange.

D. jackfruit.

SECTION B:

26. Construct a dichotomous key for identification of Spider, Housefly, baobab tree.

Give the phylum for Housefly.

Give the phylum for spider.

Give the phylum for baobab tree.