



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

Fungi

Assertion And Reason

1. [A] : Endomycorrhiza of forest trees contribute to the efficient nutrient cycling in tropical test ecosystems .

[R] : The fungi that form endomycorrhizal association with plants store nutrient ions and make them available to the host plants .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:





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2. [A] : Lichens are of considerable ecological importance as pioneers in colonization of rocky habitats by plants .

[R] : The lichens excrete organic acids which disintegrate rocks , thus forming soil or substrata in which other kinds of plants become established .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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3. [A] : Bordeaux mixture is an organic fungicide .

[R] : Bordeaux mixture contains copper , soda and water .

A. 1) If both A and R are true and R is the correct explanation of A

B. 2) If both A and R are true but R is not the correct explanation of A

C. 3) If A is true and R is false

D. 4) If both A and R are false

Answer:



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4. [A] : The obligate parasites can live only on dead hosts .

[R] : There are some organisms which grow and live together but each one is always harmed by the other . This phenomenon is known as antagonism .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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5. [A] : Disease reduce the vitality of plants , inhibit their development and cause different morphological and physiological aberrations .

[R] : The diseases result in the death of a plant

.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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6. [A] : Lichens are composite organisms .

[R] : The fungal component in Basidiolichens belong to Basidiomycetes and algal component of association is either a green alga or myxophycean member .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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7. [A] : Candida is a false yeast .

[R] : It lacks ascus formation .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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8. [A] : Heterotrophs may be free living or symbiotic .

[R] : They form mutualistic , commensalistic , or parasitic relationships.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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9. [A] : Rusts and smuts are club fungi that parasitize cereal crops .

[R] : Some smuts enter seeds and exist inside the plant , becoming visible only near maturity .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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10. Assertion : The fungi are widespread in distribution and they even live on inside other plants and animals.

Reason : Fungi are able to grow anywhere on land, water or on other organisms because

they have a variety of pigments, including chlorophyll, carotenoids, fucoxanthin and phycoerythrin.

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:





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11. [A] : Symbiosis is also furnished by mycorrhiza .

[R] : In Mycorrhiza , symbiosis is established between alga and fungus .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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12. [A] : Phytoalexins are formed as a result of fusion between auxins and gibberellins secreted by fungi .

[R] : Phytoalexins show antibiosis .

- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

Answer:



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13. [A] : Zygosporangia produce spores within sporangia .

[R] : During sexual reproduction , Zygosporangia is formed before meiosis and production of spores .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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14. [A] : Club fungi reproduce sexually .

[R] : In club fungi , dikaryotic phase is prolonged and produces fruiting bodies where spores and produced in club shaped basidia .

- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

Answer:



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15. [A] : The sterile portion of sporangium in Mucor is called columella .

[R] : Plants without seeds and flowers are called cryptogams .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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16. [A] : Fungi are thallophyta .

[R] : Cell wall of fungi is made up of chitin .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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17. [A] : Fungi are either saprobes or parasitic .

[R] : Fungi posses haustorium .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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18. [A] : Aspergillus is used as bioindicator .

[R] : Aspergillus niger is sensitive to some trace elements .

- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

Answer:



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19. [A] : Rhizopus contains two types of hyphae

.

[R] : The unbranched hyphae are sporangiophores .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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20. [A] : *Puccinia graminis* is autoecious .

[R] : It complete its life cycle on a single host species .

A. 1) If both A and R are true and R is the correct explanation of A

B. 2) If both A and R are true but R is not the correct explanation of A

C. 3) If A is true and R is false

D. 4) If both A and R are false

Answer:



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21. [A] : Schizosaccharomyces is also called the fission yeast .

[R] : Schizosaccharomyces form the pseudomycelium .

- A. If both A and R are true and R is the correct explanation of A
- B. If both A and R are true but R is not the correct explanation of A
- C. If A is true and R is false
- D. If both A and R are false

Answer:



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22. [A] : Ascomycetes and basidiomycetes are septate fungi .

[R] : The hyphae are divided by few or many partitions or cross walls .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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23. [A] : Myxomycetes are not true fungi .

[R] : Myxomycetes possess characteristics of both plants and animals .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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24. [A] : Aflatoxins are produced by fungus .

[R] : Aflatoxins are carcinogenic .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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25. [A] : Amanita is called toadstools .

[R] : Amanita is a poisonous fungi.

A. 1) If both A and R are true and R is the correct explanation of A

B. 2) If both A and R are true but R is not the correct explanation of A

C. 3) If A is true and R is false

D. 4) If both A and R are false

Answer:



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26. [A] : Yeast are used in baking industry .

[R] : CO_2 produced during fermentation causes bread dough to rise by thermal expansion .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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27. [A] : Foliose lichens show similarity with dicot leaves

[R] : They bear rhizines .

A. If both A and R are true and R is the correct explanation of A

B. If both A and R are true but R is not the correct explanation of A

C. If A is true and R is false

D. If both A and R are false

Answer:



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