



BIOLOGY

BOOKS - TRUEMAN'S BIOLOGY (ENGLISH)

Monera

Assertion And Reason

1. [A] : Mycoplasma PPLO is called Joker of plant kingdom .

[R] : They are highly pleomorphic and change their shape .

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] : Bacteria do not produce diploid zygotes in spite of their capacity to show sexuality .

[R] : Bacteria possess plasmids .

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] : Bacterial chromosomes are called plasmids .

[R] : Plasmids are extranuclear DNA.

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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4. [A] : Bacteria fully qualify to be placed in a separate kingdom .

[R] : They are prokaryotic in organisation and have no true nucleus and no membrane bound organelle.

- 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] : Citrus canker is a bacterial disease of worldwide distribution .

[R] : The causal organism of Citrus canker is the bacterial pathogen *Xanthomonas citri* .

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] : Chemosynthetic bacteria are autotrophs .

[R] : Chemosynthesis is a chemical process and is evidently a form of respiration .

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] : Viruses usually have only one nucleic acid either DNA or RNA .

[R] : Small viruses can be crystallized .

- 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] : Heterocyst formation increases under conditions of low light intensities .

[R] : The increase in the amount of phosphate in the medium leads to increase in heterocyst production .

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] : septal mesosomes in bacteria are involved in DNA replication .

[R] : The absorptive organs produced inside the host cells by parasitic fungal mycelia are known as haustoria .

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. [A] : Prokaryote reproduces asexually by binary fission .

[R] : Because this division produces two daughter cells identical to the parent cell .

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] : No any autotrophic bacteria carry out chemosynthesis .

[R] : Chemosynthetic bacteria take energy from sun for the synthesis of food .

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] : Chemosynthetic bacteria are photoautotrophs bearing pigments .

[R] : Chemosynthesis is a process which is form of respiration .

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] : Mycoplasma are the smallest free living microorganisms .

[R] : They are prokaryotic and lack cell wall .

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] : In bacteria mesosomes help in respiration .

[R] : Bacteria do not have mesosomes .

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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