



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

Viruses

Assertion And Reason

1. [A] : Viruses are obligate parasites .

[R] : Viruses can not multiply outside the host .

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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2. [A] : Viruses are not included in any kingdom of classification .

[R] : Viruses are not cells as they lack cytoplasm .

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] : Viruses are easily killed by strong broad spectrum antibiotics .

[R] : Antibiotics act as antigen& trap viruses .

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] : Outside the host , viruses do not survive .

[R] : Viruses are obligate aerobic .

- 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] : AIDS virus is highly mutable

[R] : It lacks DNA polymerase to repair its mutated genome

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] : Infective part of virus is its nucleic acid .

[R] : During infection , only the nucleic acid of virus enters in to the host 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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7. [A] : Viruses are exception to cell theory .

[R] : Viruses don't have a defined nucleus and cytoplasm .

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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8. [A] : SARS Originated in China .

[R] : China is most crowded country of world .

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:





9. [A] : Bluebird is a disease of poultry of humans .

[R] : Bludbird is caused by viruses .

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] : Viruses are not considered organisms .

[R] : Viruses lack cytoplasm and metabolic machinery .

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] : Viruses lack any kind of enzymatic machinery .

[R] : They can respire only inside host cell .

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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12. [A] : Viruses are causative organisms of measles and rabies .

[R] : They are connecting link between living and nonliving .

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] : Viruses are not considered organisms .

[R] : Viruses lack cytoplasm and metabolic machinery .

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] : All RNA viruses cannot directly multiply in host cells .

[R] : RNA viruses need reverse transcriptase to synthesize RNA only .

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] : Some viruses cause cancer .

[R] : Cancer viruses trigger uncontrolled growth of cell .

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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16. [A] : Viruses are obligate parasites .

[R] : Both DNA and RNA are present in a virus .

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] : Subviral infectious agents are called viroids .

[R] : Viroids cause persistent infections .

- 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] : The Phages which caused lysis of bacterial cell are called virulent phages .

[R] : The viral DNA controls the metabolic machinery of the host 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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19. [A] : AIDS is called death warrant .

[R] : AIDS virus has a liking for T-lymphocytes which produce antibodies .

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] : Virion is the virus particle outside the host cell.

[R] : They contain only proteins and no nucleic acids .

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] : Virus free plants can be produced from virus infected plants by meristem tissue culture .

[R] : Virus fail to grow during the growth of host tissue in the artificial medium .

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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