



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### Biochemistry

#### Assertion And Reason

1. [A] : Water in plant cells is available in two forms viz. free water and chemically bound water .

[R] : Free water is not used in metabolic processes by plant cells .

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] : Albumins are insoluble in water .

[R] :Albumins are soluble in alcohol.

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] :** Arachidonic acid essential fatty acid for human beings .

**[R] :** Human beings lack the mechanism to synthesise arachidonic acid .

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] : Sucrose is a non reducing sugar .

[R] : It has glycosidic bonds .

- 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] : Amount of DNA per cell is fixed .

[R] : Amount of RNA is variable in a 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:**



6. [A] : Haemoglobin is a quaternary protein .

[R] : It has four amino acid units .

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] : Amino acids are monomers of proteins .

[R] : Essential amino acids are essential for health .

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] : PUFA are good for health .

[R] : They reduce blood cholesterol .

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] : Peptide bonds are present in primary , secondary & tertiary structures of proteins .

[R] : All structures of protein contain amino acids .

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] : Galactose does not have glycosidic bond .

[R] : Galactose is a monosacchaside .

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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