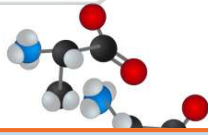




Name _____ Class _____ Date _____

- 1 Before the **storage** of **products of photosynthesis** can be used by a plant, they must be
- A converted to simpler molecules by intracellular digestion
 - B digested in a specialized digestive system
 - C broken down by extracellular digestion
 - D hydrolyzed in multinucleated filaments

- 3 **Hemoglobin, insulin, albumin, and maltase**, which are composed of **chains of amino acids**, are examples of
- A proteins
 - B carbohydrates
 - C lipids



- 2 **Transport** of molecules within animal cells is assisted by a **system of internal membranes** that make up the
- A endoplasmic reticulum
 - B mitochondria
 - C ribosomes
 - D chloroplast

- 4 The **bond** that joins two **amino acids** together is known as a(n)
- A double bond
 - B hydrogen bond
 - C ionic bond
 - D peptide bond



PREVIEW

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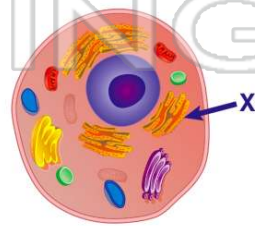
- 7
- B cellular reproduction
 - C diffusion
 - D digestion

- B fat
- C DNA
- D glucose



- 9 The diagram below represents two molecules that can **interact** with each other to **cause a biochemical process** to occur in a cell.
-
- Molecules **A** and **B** most likely represent
- A a protein and a chromosome
 - B a receptor and a hormone
 - C a carbohydrate and an amino acid
 - D an antibody and a hormone

- 10 The **organelle** labeled **X** in the cell represented below is a
- A ribosome
 - B mitochondrion
 - C nucleus
 - D nucleolus





ANSWER KEY

Before the **storage** of **products of photosynthesis** can be used by a plant, they must be

- A** converted to simpler molecules by intracellular digestion
- B** digested in a specialized digestive system
- C** broken down by extracellular digestion
- D** hydrolyzed in multinucleated filaments

(a)

Transport of molecules within animal cells is assisted by a **system of internal membranes** that make up the

- A** endoplasmic reticulum
- B** mitochondria
- C** ribosomes
- D** chloroplast

(a)

Hemoglobin, insulin, albumin, and maltase, which are composed of **chains of amino acids**, are examples of

- A** proteins
- B** carbohydrates
- C** lipids
- D** nucleic acids



(a)

The **bond** that joins two **amino acids** together is known as a(n)

- A** double bond
- B** hydrogen bond
- C** ionic bond
- D** peptide bond

(d)



PREVIEW

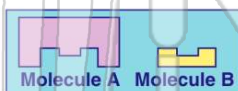
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- C** diffusion
- D** digestion

- C** DNA
- D** glucose



The diagram below represents two molecules that can **interact** with each other to **cause a biochemical process** to occur in a cell.



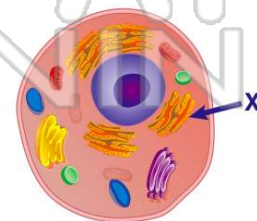
Molecules **A** and **B** most likely represent

- A** a protein and a chromosome
- B** a receptor and a hormone
- C** a carbohydrate and an amino acid
- D** an antibody and a hormone

(b)

The **organelle** labeled **X** in the cell represented below is a

- A** ribosome
- B** mitochondrion
- C** nucleus
- D** nucleolus



(a)