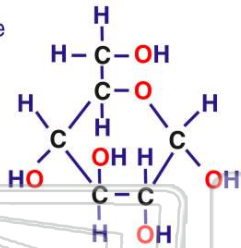




Name _____ Class _____ Date _____

1 This **molecule** is an example of a

- A carbohydrate
- B protein
- C lipid
- D DNA

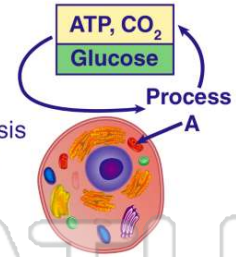


3 One type of **anaerobic respiration** results in the production of

- A water and oxygen
- B pyruvic acid and glycerol
- C nitrogen gas and ammonia
- D alcohol and carbon dioxide

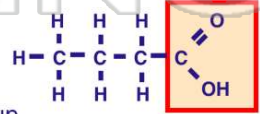
2 The **cell process** shown here is known as

- A photosynthesis
- B fermentation
- C dehydration synthesis
- D aerobic respiration



4 The **structural formula** of a molecule is shown below. The part of the molecule in the box is known as

- A a carboxyl group
- B an amino group
- C a phosphate group
- D a nitrogenous base



5



PREVIEW

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7

- C centriole
- D cell wall



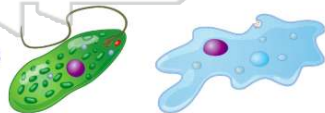
- A passive transport
- B osmosis
- C diffusion
- D reproduction



9

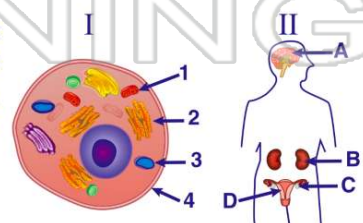
The diagram below represents two single-celled organisms. These organisms carry out the activities needed to **maintain homeostasis** by using specialized internal

- A tissues
- B organelles
- C systems
- D organs



10 Which **structures** in diagram I and diagram II carry out a **similar life function**?

- A 1 and C
- B 2 and D
- C 3 and A
- D 4 and B

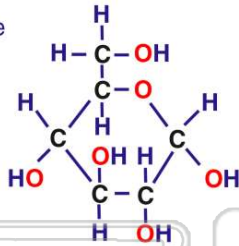




ANSWER KEY

This **molecule** is an example of a

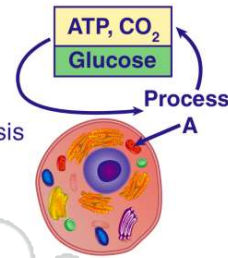
- A** carbohydrate
- B** protein
- C** lipid
- D** DNA



(a)

The **cell process** shown here is known as

- A** photosynthesis
- B** fermentation
- C** dehydration synthesis
- D** aerobic respiration



(d)

One type of **anaerobic respiration** results in the production of

- A** water and oxygen
- B** pyruvic acid and glycerol
- C** nitrogen gas and ammonia
- D** alcohol and carbon dioxide

(d)

The **structural formula** of a molecule is shown below. The part of the molecule in the box is known as

- A** a carboxyl group
- B** an amino group
- C** a phosphate group
- D** a nitrogenous base



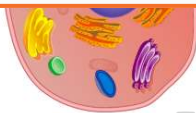
(a)



PREVIEW

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D cell wall

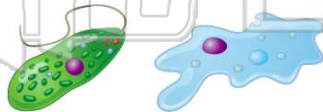


- B** osmosis
- C** diffusion
- D** reproduction



The diagram below represents two single-celled organisms. These organisms carry out the activities needed to **maintain homeostasis** by using specialized internal

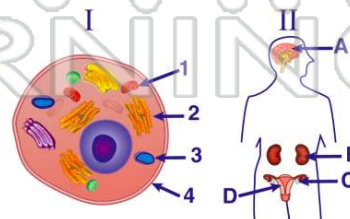
- A** tissues
- B** organelles
- C** systems
- D** organs



(b)

Which **structures** in diagram I and diagram II carry out a **similar life function**?

- A** 1 and C
- B** 2 and D
- C** 3 and A
- D** 4 and B



(d)