

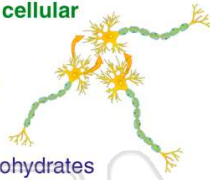


Name _____ Class _____ Date _____

1

Two primary agents of **cellular communication** are

- A chemicals made by blood cells and simple sugars
- B hormones and carbohydrates
- C enzymes and starches
- D hormones and chemicals made by nerve cells



2

Chromosomes can be described as

- A large molecules that have only one function
- B folded chains of bonded glucose molecules
- C reproductive cells composed of molecular bases
- D coiled strands of genetic material



3

All life depends on the availability of **usable energy**. This energy is **released** when

- A organisms convert solar energy into the chemical energy found in food molecules
- B respiration occurs in the cells of producers

4

Which **activity** is illustrated in the diagram of an **ameeba** shown below?

- A egestion
- B synthesis



5



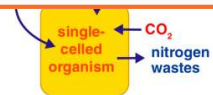
PREVIEW

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7

- B are the same size as the substrate molecules
- C have a shape that fits into the enzyme
- D have a shape that fits into all cell receptors

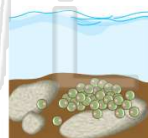
- B respiration, only
- C excretion, only
- D the digestion of proteins



9

If frog eggs taken from a **freshwater pond** are placed in a **saltwater aquarium**, what will most likely happen?

- A Water will leave the eggs.
- B Salt will leave the eggs.
- C Water will neither enter nor leave the eggs.
- D The eggs will burst.



10

Which **substances** are found on **cell surfaces** and **respond** to nerve and hormone signals?

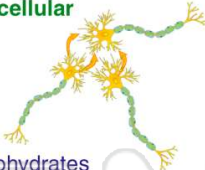
- A starches and simple sugars
- B subunits of DNA
- C vitamins and minerals
- D receptor molecules



Name _____ Class _____ Date _____

1 Two primary agents of **cellular communication** are

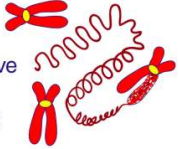
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(D)

2 **Chromosomes** can be described as

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B folded chains of bonded glucose molecules
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(D)


3 All life depends on the availability of **usable energy**. This energy is **released** when

A organisms convert solar energy into the chemical energy found in food molecules
B respiration occurs in the cells of producers

(C)

4 Which **activity** is illustrated in the diagram of an **ameeba** shown below?

A egestion
B synthesis



(D)

5



(A)

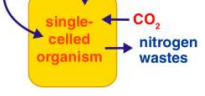
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7

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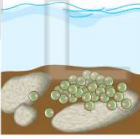
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C excretion, only
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(A)

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(A)

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B subunits of DNA
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(D)