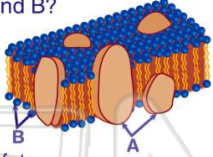




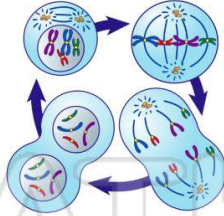
Name _____ Class _____ Date _____

1 In the diagram of the **plasma membrane** shown below, which structures are indicated by letters A and B?



A A — proteins;
B — lipids
B A — fats;
B — carbohydrates
C A — cellulose; B — fats
D A — water; B — proteins

2 **Uncontrolled cell division** is a characteristic of



A cleavage
B oogenesis
C cancer
D regeneration

3 While viewing a slide of **rapidly moving sperm cells**, a student concludes that these cells require a large amount of energy to maintain their activity. The **organelles** that most directly provide this **energy** are known as

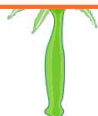
4 A single-celled organism is represented in the diagram below. An activity is indicated by the **arrow**. If this activity requires the use of energy, **which substance would be the source of this energy?**



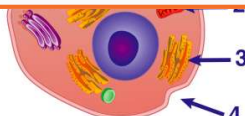
PREVIEW

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B vascular tissue
C gastrovascular cavities
D cell membranes



B 2
C 3
D 4



9 The destruction of all **ATP molecules** in a cell would **interfere** most immediately with the process of

A diffusion
B active transport
C respiratory gas exchange
D osmosis

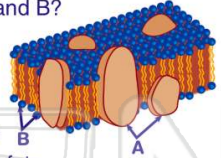
10 In which **cell structure** is the largest amount of **ATP** formed?

A nucleolus
B endoplasmic reticulum
C mitochondrion
D ribosome



Name _____ Class _____ Date _____

1 In the diagram of the **plasma membrane** shown below, which structures are indicated by letters A and B?



A A — proteins;
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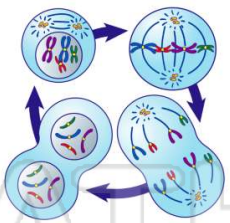
B A — fats;
B — carbohydrates

C A — cellulose; B — fats

D A — water; B — proteins

(A)

2 **Uncontrolled cell division** is a characteristic of



A cleavage
B oogenesis
C cancer
D regeneration

(C)

3 While viewing a slide of **rapidly moving sperm cells**, a student concludes that these cells require a large amount of energy to maintain their activity. The **organelles** that most directly provide this **energy** are known as

(D)

4 A single-celled organism is represented in the diagram below. An activity is indicated by the **arrow**. If this activity requires the use of energy, **which substance would be the source of this energy?**

(B)



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6

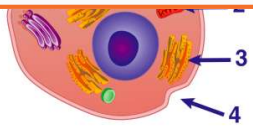
B vascular tissue
C gastrovascular cavities
D cell membranes



(B)

7

B 2
C 3
D 4



(D)

9 The destruction of all **ATP molecules** in a cell would **interfere** most immediately with the process of

A diffusion
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(B)

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A nucleolus
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(C)