



Name _____ Class _____ Date _____

1 The diagram below represents a **white blood cell** engulfing some **bacteria**.

The structure labeled **X** is most likely a

- A nucleus
- B centriole
- C ribosome
- D vacuole



3 The process of **active transport** requires the most direct use of

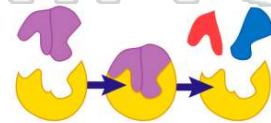
- A carbon dioxide
- B amino acids
- C ATP
- D glucose

2 An **unstained** wet mount of **epidermal cells** shows few details. Which substance could be added to the slide to make the details **more visible**?

- A methylene blue
- B dilute acid
- C Benedict's solution
- D Bromthymol blue

4 **Enzyme molecules** are **produced** by a life function known as

- A egestion
- B respiration
- C growth
- D synthesis



5



PREVIEW

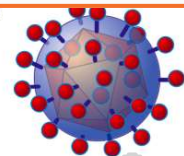
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7

- B the maintenance of a constant body temperature
- C cell division that is involved in normal growth
- D a rapid rise in the number of red blood cells

of the cells are known as

- A receptor molecules
- B genetic codes
- C molecular bases
- D inorganic catalysts



9

Even though each body cell in an individual contains the same DNA, the **functions of muscle cells and liver cells** are **not** the same because

- A mutations usually occur in genes when muscle cells divide
- B liver tissue develops before muscle tissue
- C liver cells produce more oxygen than muscle cells
- D liver cells use different genes than muscle cells

10 Which part of a molecule provides **energy** for **life processes**?

- A carbon atoms
- B oxygen atoms
- C chemical bonds
- D inorganic nitrogen

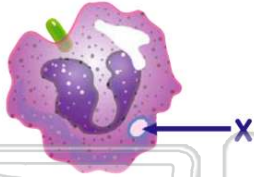


ANSWER KEY

The diagram below represents a **white blood cell** engulfing some **bacteria**.

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(d)

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(a)

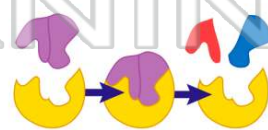
The process of **active transport** requires the most direct use of

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- D glucose

(c)

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- B respiration
- C growth
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(d)

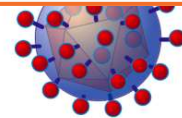


PREVIEW

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- D a rapid rise in the number of red blood cells

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(d)

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