



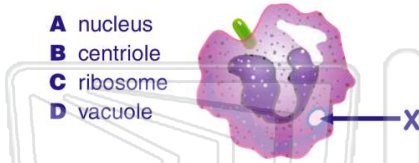
Name _____ Class _____ Date _____

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



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

3

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

- A carbon dioxide
- B amino acids
- C ATP

4

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

- A egestion
- B respiration
- C growth

5



PREVIEW

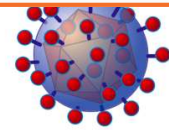
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7

temperature

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

- 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**?

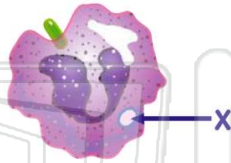
- A carbon atoms
- B oxygen atoms
- C chemical bonds
- D inorganic nitrogen



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D

PREVIEW

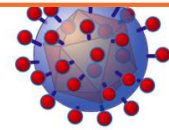
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C