

Introduction to cells

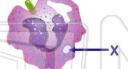
Class Name Date



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





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



The process of active transport requires the most direct use of

- A carbon dioxide
- B amino acids
- ATD



Enzyme molecules are produced by a life function known as

- A egestion
- **B** respiration









PREVIEW



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- 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





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



Which part of a molecule provides energy for life processes?

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



Introduction to cells - Answer Key

BIO

Name Class Date The diagram below represents a white An unstained wet mount of epidermal cells blood cell engulfing some bacteria. shows few details. Which substance could be added to the slide to make the details The structure labeled X is most likely a more visible? A nucleus D Α A methylene blue **B** centriole **B** dilute acid C ribosome C Benedict's solution **D** vacuole D Bromthymol blue Enzyme molecules are produced by a 3 The process of active transport requires the most direct use of life function known as A carbon dioxide A egestion B amino acids **B** respiration ATD 5 D **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet A temperature A receptor molecules C cell division that is involved in normal **B** genetic codes growth D a rapid rise in the number of red blood **C** molecular bases cells **D** inorganic catalysts Even though each body cell in an individual Which part of a molecule provides energy 10 contains the same DNA, the functions of muscle for life processes? cells and liver cells are not the same because A carbon atoms A mutations usually occur in genes when **B** oxygen atoms (C)muscle cells divide C chemical bonds B liver tissue develops before muscle tissue D inorganic nitrogen C liver cells produce more oxygen than muscle cells D liver cells use different genes than muscle cells