

## Biology Chapter 7 Test: Cellular Structure and Function

### Multiple Choice

Identify the choice that best completes the statement or answers the question.



Figure 7-4

- What would happen to the structure in Figure 7-4 if part D is completely removed?
  - It would become more rigid.
  - It would disintegrate.
  - It would have holes in it.
  - It would collapse in on itself.
- What did scientists observe using the earliest microscopes?
  - atoms
  - cell parts
  - molecules
  - tiny organisms
- An electron microscope can magnify an object about 500,000 times. How does this magnification compare with the magnification of a compound light microscope?
  - 500 times lower
  - 100 times lower
  - 100 times higher
  - 500 times higher
- Which statement is a fundamental principle of the cell theory?
  - All cells have a plasma membrane.
  - Eukaryotic cells are larger than prokaryotic cells.
  - Living organisms are composed of cells.
  - The genetic material in cells is DNA.
- Which statement is true about bacterial cells?
  - The cells are very large.
  - The cells have no nucleus.
  - They are eukaryotes.
  - They have organelles.
- Which is present only in eukaryotic cells?
  - cell membrane
  - chromosomes
  - DNA
  - nucleus
- Which substance on the plasma membrane helps identify chemical signals from outside the cell?
  - carbohydrate chain
  - cholesterol
  - membrane protein
  - transport protein
- Which organelle converts sugars into energy?
  - lysosome
  - mitochondrion
  - nucleus
  - ribosome

# Biology Chapter 7 Test Answer Key

**S Ashworth**



**Biology Chapter 7 Test Answer Key:**

## Unveiling the Magic of Words: A Review of "**Biology Chapter 7 Test Answer Key**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Biology Chapter 7 Test Answer Key**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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