

Name _____

Discovering Animal Cells: Exploring the Building Blocks of Life

Open-Ended Response Answer Key

1. Mitochondria generate energy through cellular respiration by converting nutrients into ATP.
2. The cell membrane regulates the passage of substances, provides structural support, and facilitates cell communication.
3. Studying animal cells is significant in medicine for understanding diseases, developing treatments, and advancing medical technology.
4. Examples of animal cells contributing to biodiversity include various cell types found in different animal species, each adapted to their specific environments and roles in ecosystems.

