

AAMC Flashcards PDF

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What is the primary function of red blood cells?

The primary function of red blood cells is to transport oxygen from the lungs to the body's tissues and to carry carbon dioxide from the tissues back to the lungs.

What is the role of the mitochondria in a cell?

The mitochondria are known as the powerhouse of the cell, as they produce adenosine triphosphate (ATP), which is used as a source of chemical energy.

What is the process of photosynthesis?

Photosynthesis is the process by which green plants, algae, and some bacteria convert light energy, usually from the sun, into chemical energy in the form of glucose, using carbon dioxide and water.

What is the function of the cell membrane?

The cell membrane functions as a barrier that separates the interior of the cell from the external environment, controlling the movement of substances in and out of the cell.

What is the significance of the pH scale?

The pH scale measures the acidity or alkalinity of a solution, with values ranging from 0 to 14, where 7 is neutral, values below 7 are acidic, and values above 7 are basic.