

Name : _____

Photosynthesis - Basic Vocabulary

Autotrophs

Autotrophs are organisms that produce their own food by a process called photosynthesis.

Photosynthesis

Photosynthesis is the process by which plants produce their own food in the presence of sunlight, carbon dioxide and water.

Sunlight

The sun releases energy in the form of heat and light. The sunlight provides energy necessary for photosynthesis. It is captured by autotrophs and converted into chemical energy.

Carbon dioxide

Carbon dioxide is a naturally occurring gas present in the atmosphere. It is absorbed by plants and is used in photosynthesis.

Water

The roots absorb water and mineral salts from the soil and transport it to the other parts of the plant. Water is essential for chemical reactions that occur in plant cells.

Glucose

Glucose is a simple sugar and the end product of photosynthesis. It is used for respiration and to perform other important functions of the cell.

Oxygen

Oxygen is the gas released as a waste product during photosynthesis and is essential for animals and humans.

Chlorophyll

Chlorophyll is the green pigment in plants responsible for trapping light energy for photosynthesis.