

Match the Following – Lesson 1: Nutrition

1. Nutrition Types

1. Autotrophic	Depends on others for food
2. Heterotrophic	Grows on dead/decaying matter
3. Saprophytic	Absorbs food from host
4. Parasitic	Synthesizes food from $\text{CO}_2 + \text{H}_2\text{O}$

2. Components of Photosynthesis

1. Chlorophyll	Provides energy for the reaction
2. Water	Source of carbon for glucose
3. Carbon dioxide	Source of hydrogen and oxygen
4. Sunlight	Absorbs sunlight

3. Conditions for Photosynthesis

1. Light	Raw material
2. CO_2	Hydrogen source
3. Water	Captures light energy
4. Chlorophyll	Energy source

4. Plant Nutrition Observations

1. Leaf turns blue-black with iodine	Carbon dioxide is released during respiration
2. No starch in covered leaf area	Starch is present
3. Air bubbles from Hydrilla in sunlight	Light is necessary for photosynthesis
4. Lime water turns milky	Oxygen is released during photosynthesis