

Match the Following – Lesson 1: Nutrition

1. Nutrition Types

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| 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

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|-------------------|----------------------------------|
| 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

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

4. Plant Nutrition Observations

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| 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 |