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| Science 9 | Unit C |
| Section 1.4: How Organisms Take in Food. | 84 Mins |

How Organisms take in food

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| **Plants**Take in inorganic substances to make organicMethods* Diffusion

Substances move from high concentration to lower concentration* Osmosis

WATER moves from high concentration to low concentration* Active Transport

Substances move from LOW concentration to high concentration (NEEDS energy)**Animals**Mostly eat other living things for nutrientsMethods* Breakdown by mechanical means and chemicals

Hydrolysis – Breakdown of large molecules by water being added to the sugar. | CO2 + H20 -> C6H12O6DRAWDRAWDRAWIngestionMechanical – ChewingChemicals – Acids in the stomach, Bases in the intestines, and saliva in the mouthCracker Chewing |

Substrates

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| Where plants and animals live | Lichen on Rocks (Rock is the substrate)Mold on Bread (Bread is the substrate) |