Science:	Mathematics involve	ed	<u>Prior K</u>	
<u>Biology 2.4 - Plants</u>	Percentage Change = Old Number - New Number x 100		<ul> <li>Osmosis</li> <li>Diffusion</li> <li>Active transport</li> <li>Plant Cell structure</li> <li>Parts of a plant</li> </ul>	
<u>Photosynthesis</u>	Starch Practical	Limiting Factors	Photosy	
Water + Carbon dioxide> Oxygen + Glucose Exothermic reaction, heat given out to the	Add iodine to leaves that have been boiled in ethanol. If the colour of the leaves turns blue/black, there is starch present. Starch is stored glucose	Things that impact the rate of photosynthesis Light intensityInvest intensi The g of photosynthesisCarbon dioxide concentrationThe g of photosynthesis		
surroundings Adaptations of a leaf	Transpiration	Translocation	of photosy Factors	
How is a leaf adapted for gas exchange Stomata Guard cells Spongy mesophyll	The rate of flow of water from the bottom to the top of the plant Water travelling from the root to the shoots through the xylem	The movement of glucose minerals throughout the Occurring in the phloem		
Xylem Transports water Root to shoot Dead, Hollow, lignified cells	Phloem Transports minerals Two-way flow Has end walls, sieve elements and companion cells			

Core Practical	Usefu

## Knowledge:

## synthesis Core Practical

ating the relationship between light and rate of photosynthesis

ater the light intensity the greater the rate osynthesis

## s that affect Transpiration

by: ensity dioxide concentration

eful links

