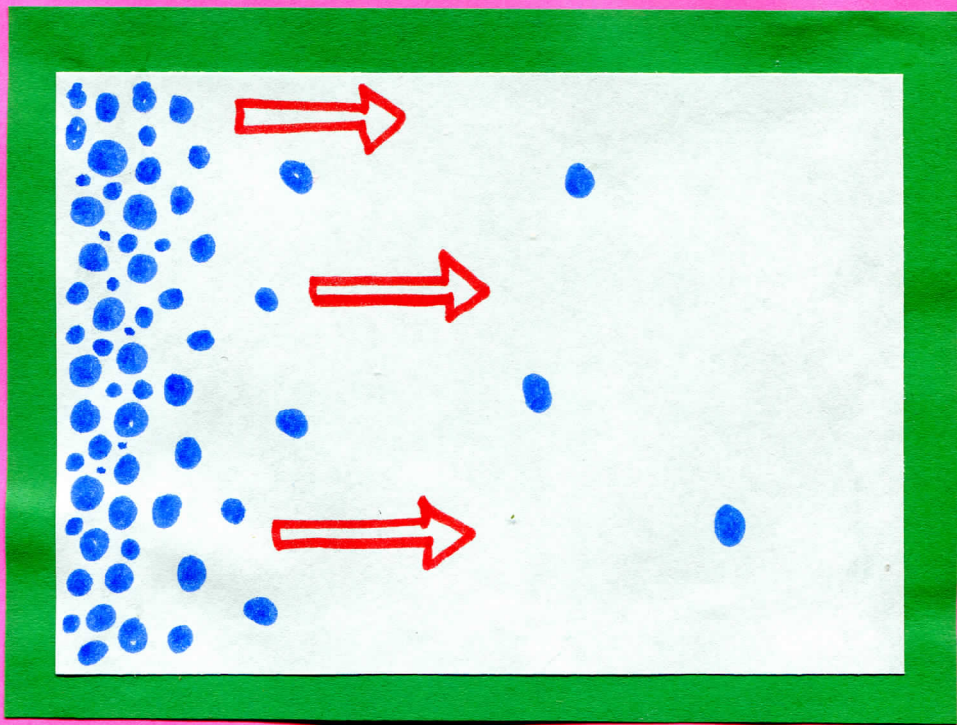
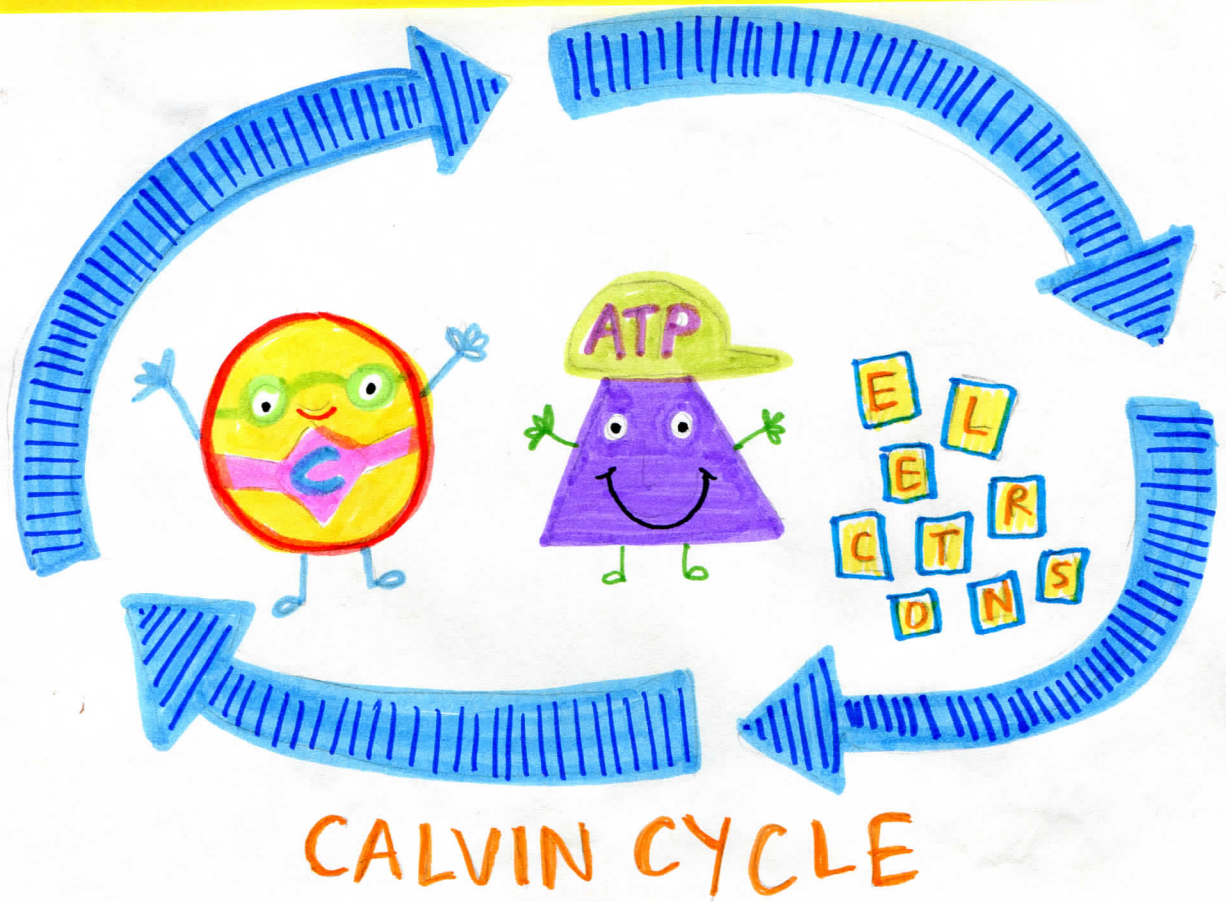


"Silly Sally!" said Captain Carbon, "Carbon dioxide is all around you! The air you breathe contains carbon dioxide, with carbon atoms just like me in it. Whenever you need energy, my carbon friends and I will just enter your leaves through your stomata using a special process called diffusion."



This process occurs when the carbon is equally distributed across the whole plant structure. The carbon transfers from an area with more carbon to an area with less carbon, allowing Sally to make food.



Captain Carbon had to find a way to enter Sally. Her guard cells opened up to let him in and he diffused through her stomata. There he saw his friends ATP and Electrons. They worked together in the Calvin Cycle and finally they made glucose for Sally. Then a tube called the phloem transported these sugars to the places inside Sally that need nutrients. Now she had the energy she needed to play all day long!