



“PLANT FACTORIES”

The aim of the activity is to design some experiments that show what factors affect food (starch) production in plants. First the students determined how they are going to show, whether food is being produced or not by the leaf. After this discussion with teacher, they carried out a simple iodine test for starch in leaves. Iodine solution turns blue when added to starch. The test showed that starch is only produced where the given pigment chlorophyll is present. Teacher told students that plants and animals also need energy input to live. This energy can come from different sources. Humans depend upon food production by plants, even if they are carnivorous, animals eat the plants first. Starch production relies on light, the presence of chlorophyll, water and carbon-dioxide.