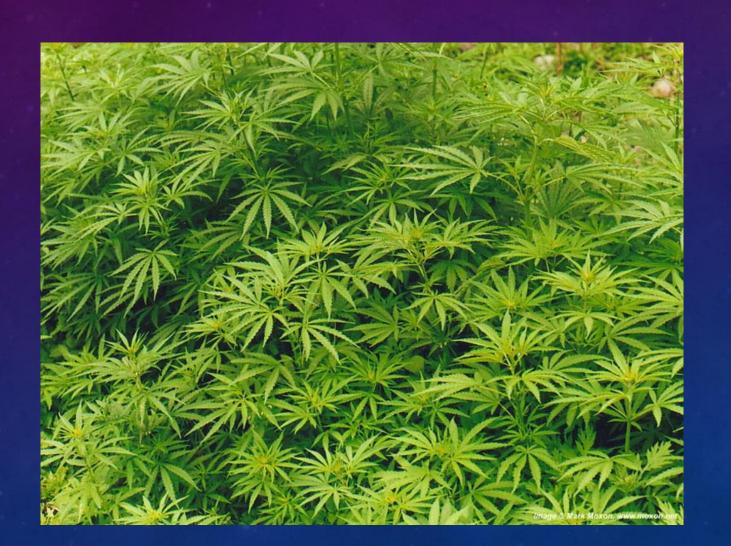
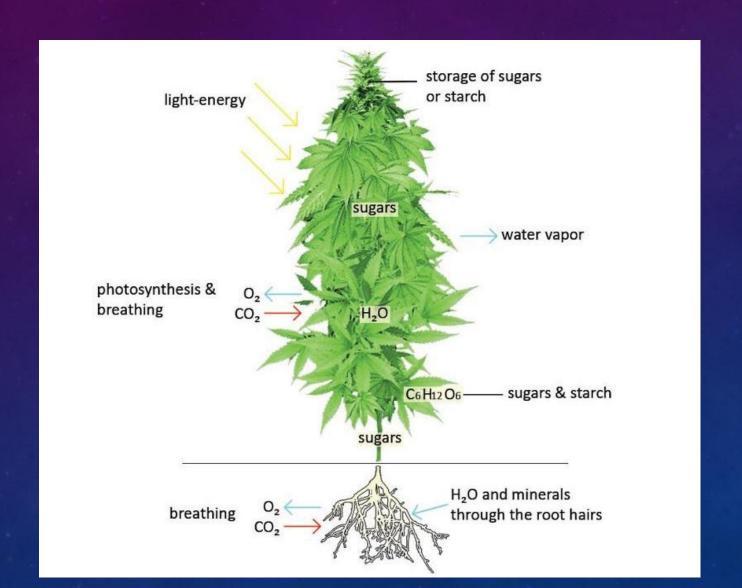
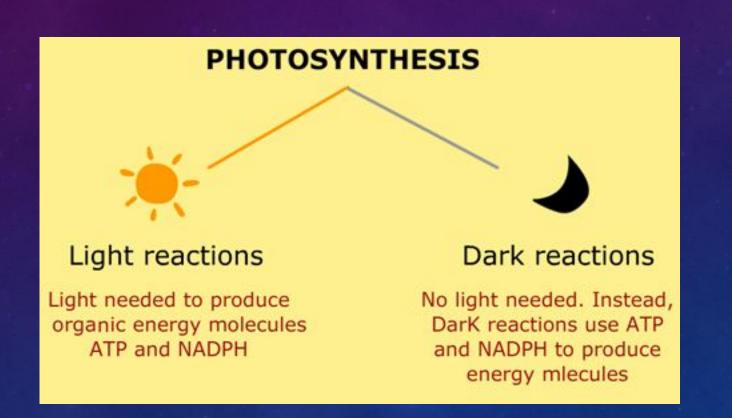
# FOOD FROM THE SUN



### WHAT IS PHOTOSYNTHESIS?



#### THE LIGHT AND DARK REACTIONS



#### NOW FOR THE SCIENCE BIT

#### **Aerobic Respiration:**

In the presence of oxygen, microorganisms degrade biomass to form carbon dioxide and water.
Chemical energy that is released can be used by the organisms.

$$[CH_2O] + O_2 \rightarrow CO_2 + H_2O$$

This process is the reverse of photosynthesis, carbon is oxidized and oxygen is reduced.

## A LIFE-GIVING PROCESS

