## HIGHER PHOTOSYNTHESIS IN PLANTS .. (1) Important Scientists. 2) Types of Pigments - chromatogram - Joseph Priestly (1770) Chil A -> Blue Green - Revealed essential role of air in growth Chi B -> Yellow Green of plants. Xanthophylls -> Yellow - performed bell jax experiment and Carotinoids - Yellow to Yellow Orange observed -> Plant restore to are, what breathing animals and burning candle -> absorption Spectrum. Absorban Carotenoids Light Carotenoids - che a Jan Ingen House. - Observed that sunlight is essential for photosynthusis. Sunlight Aquatic plant OzBubbles. → Julius Von Sachs (1854) Glucose is produced during photosynthesis m green parts of plants. -> Stored as Storch. special bodies (chlorophyu) located in Wavelength of light (nm) -> TW Engelmann (1843-1909) → ChiA→Blue and Red. - Best for photosynthesis - Blue and Red Light - max. photosynthesis - Blue and Red light -Che A - Major photosynthetic pigment White Light prison Photosynthesis Light Reaction. Dark Reaction. Formation of glucose Formation of ATP and

Aurobic Bactura CAzotobacter) Cladophora in Suspension Described 1st action spectrum of photosyr photosynthesis.

Corneliu Von Nie (1897-1985) - Hydrogen from suitable oxidable compound re du ces Cor-Glucode.

In green plants, hydrogen donor is Heli which is oxidised to Oz.

In purple and green suphur backening, Has is hydrogen donor, releasing Sulphur as by product.

from CO2 using ATP NADPH due to by Chlorophyll light Reaction.





