Biology

Photosynthesis

- Photosynthesis is a process by which all green plants make their own food (glucose) using carbon dioxide, water light and chlorophyll. Oxygen is produced as a by product.
- Photosynthesis mostly takes place on the leaves of all green plants (chlorophyll makes the plant green, so photosynthesis takes place wherever there is chlorophyll)
- USES OG GLUCOSE:
- 2) glucose is converted into cellulose to make cellulose is converted into fet
- 4) glucose combines with nitrogen to make artimo acids which form proteins (needed
- 5) glucose is converted into starch for storage because starch is insoluble so doesn't affect water movement in the cell
- 6) glucose is converted into sucrose and stored in fruits
- MINERALS:
- Nitrogen: making proteins for growth. Nitrogen deficient plants have poor growth and weak stems
- Phosphorus: respiration and making roots (DNA and cell membranes) Phosphorus deficient plants will have purple leaves and small roots
- Potassium: respiration and photosynthesis Potassium deficient plants will have poor flower and fruit growth and leaves will be yellow with dead spots