Artificially creat ideal condition for Farming

Creating an Ideal Environment for Plant Growth by Green house

- An **ideal environment** for plant growth can be created **artificially** in a **greenhouse**.
- Factors that affect photosynthesis can be controlled easily and prevented from being limited:

- **Heat**:

  - Glass structure **traps heat** from the sun to keep the plants warm.
  - **Windows** can be opened to provide **ventilation** if it gets too hot.
  - **Heaters** can be used in winter to keep the inside of the greenhouse warm.

- **Light**:

  - **Glass panes** allow lots of **light** in for **photosynthesis**.
  - At night, **artificial lamps** can be used to enable plants to continue **photosynthesising** when there is no **natural light**.

- **Carbon dioxide concentration**:

  - **Paraffin heaters** can be used that increase the **temperature** and the amount of **carbon dioxide**.

- **Prevention from infection:**

Keeping plants in a greenhouse prevents **diseases** and **pest infestations** and therefore promotes healthy growth.

- **Water** and **fertiliser** can be controlled more easily in a greenhouse so plants can receive everything they need to grow.

- **Farmers** use these techniques to make their crops grow **faster** and **stronger**, increasing their **crop yields** and making more **money**.
- Controlling all of the factors on a large scale can be very **expensive**.
- It is important that the increase in crop yield is enough cover the costs of the greenhouse while also making a **profit**.
- Farmers will provide their crops with the **optimum** amounts of heat, light etc. but no more than that, as this would be wasting money.