V. SELECTIVE GROWTH

- There are cases where epi is desired only in selected areas.
- Two types of selective growth.
  - Type I -
    - $Si$ is deposited on bare $Si$ substrate.
    - $SiCl_4$ is used since $Cl$ promotes $Si$ migration.
  - Type 2 -
    - $Si$ epi over bare $Si$ and Poly Silicon over Oxide. Source gas should be $SiH_4$. 

![Diagram](image-url)