

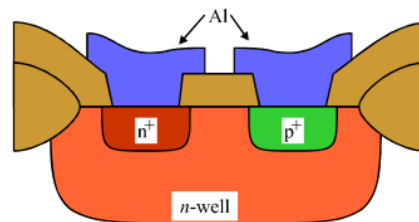
IC Fabrication

Main Points

1. Basic Wafer processing (Single crystal Si, Wafers)
2. Use of photolithography to define layers with patterns
3. Mask sets to define device geo
4. Etching and deposition
5. Dopant diffusion and implantation
6. Device process flows (diode, bjt, mosfet)

Possible Questions

1. What is photolithography, how do we use it to produce a pattern on a wafer
2. Given a simple structure define a process flow to create it.



I will not ask you to remember a particular device structure or process flow.