1 | **Silicon**

- Integrated circuits changed computer circutries
- Circuts's sillicon purified as polycillion chunks
    - The cubic seed will form a new cubic sillicon
    - Impurities added to sillicon to cause it to conduct
    - Negative charged free carrier (asinic) => n type
    - Positive charged carrier (boron) => p type
- Christle ground to form ingots
- Then, sliced thin as wafers
- Wafers are then ground thin + removed of surface contaminates
- Then, wafers are checked for resistivity
- CMOS
    - n-type transitior sandwich a p type region
    - A charge on the gate wolud cause the charge to go through
    - Vise, versa
- Meaning, when the P-N circut combinations are on, the N-P combination is off
- High temperature used to grow sillicon dioxide to protect the sillicon as sillicon interacts with pure exygen
- Photoresist smeared on the wafer, and light is exposed to each part to etch patters
- Then, the