

1 | **Silicon**

- Integrated circuits changed computer circuitries
- Circuits's silicon purified as polycrystalline chunks
 - The cubic seed will form a new cubic silicon
 - Impurities added to silicon to cause it to conduct
 - Negative charged free carrier (arsenic) => n type
 - Positive charged carrier (boron) => p type
- Crystallize ground to form ingots
- Then, sliced thin as wafers
- Wafers are then ground thin + removed of surface contaminants
- Then, wafers are checked for resistivity
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