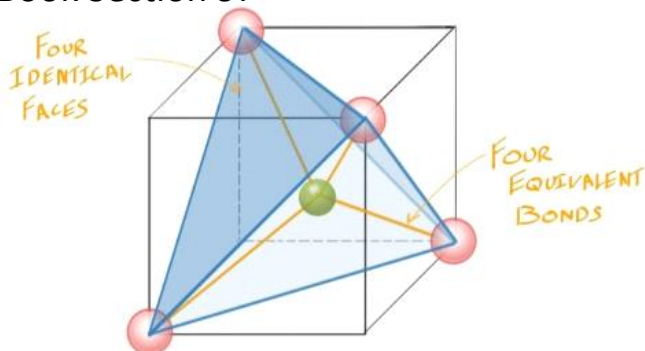
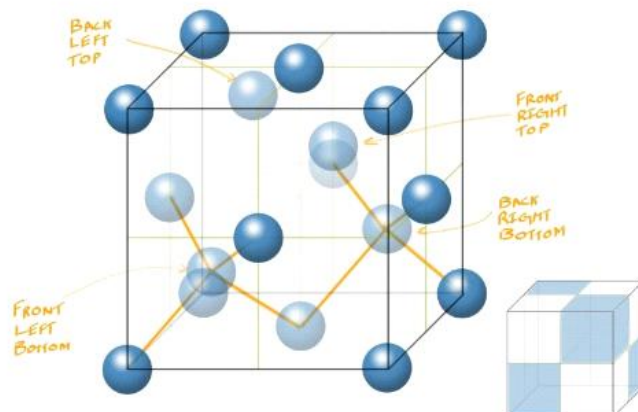


Reminder :-): September 18 --> September 27 - applies to conductors and semi-conductors

## Book Section 9:



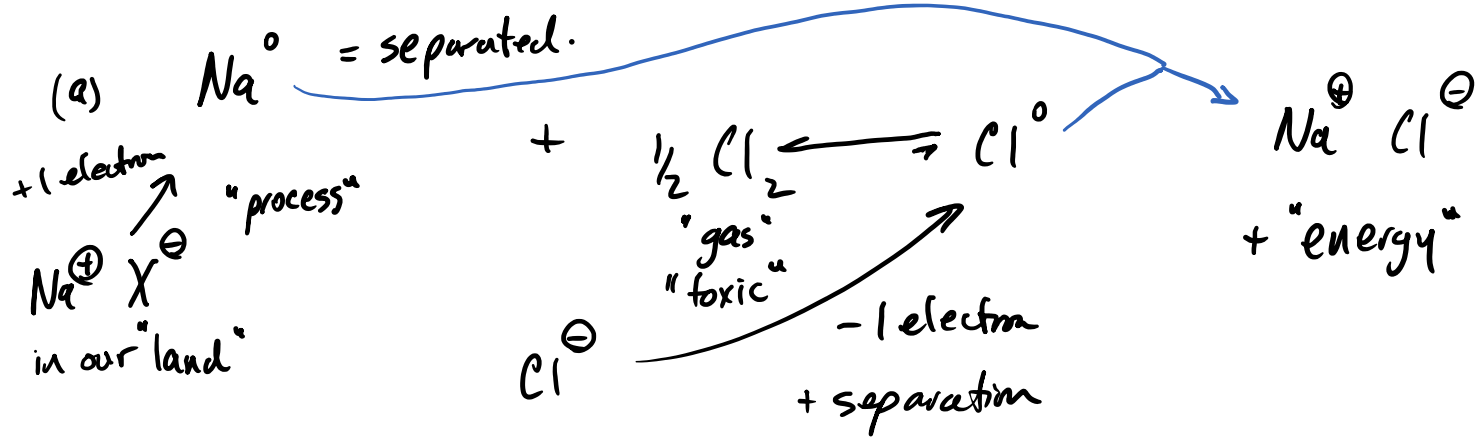
**Figure 18.** The tetrahedral interstitial site at the centre of a cube. Note that the coordination number is also 4, in addition to the number of faces on the solid formed by this site, however the name comes from the solid geometry, not the coordination number.



**Figure 19.** The structure of diamond cubic. This structure can be thought of as an FCC lattice of atoms with the same atoms occupying half of the available tetrahedral interstitial sites, in alternating positions. The alternating positions are illustrated with the shaded "sub-cube" faces in the second cube.

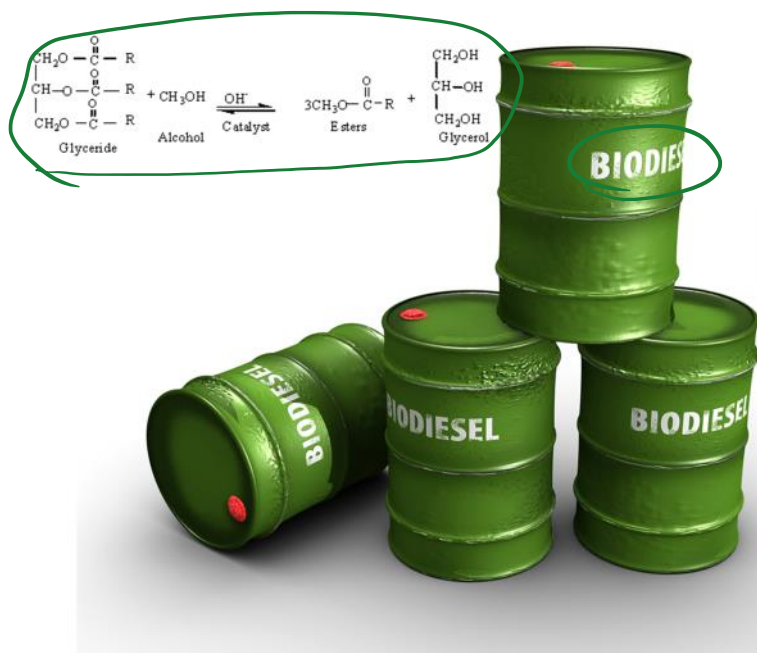
Calculations link:

<https://can01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fyoutu.be%2FHmR9vfLk5-E&data=05%7C02%7Ctim.bender%40utoronto.ca%7CC403a272b50f0498ae9e8f08dd07e3e7be7c7C8aac2262f0324d903b746d556c552107C0%7C0%7C6386753976048273CUNknown%7CTWFPbgZsb3d8eyJfbXB0Ue1hcGkiOnRydWUsIlYiOiilwLiAuMDAwMCIslAiOjXaW4zMilskFOIoiTWFPbClslldlUjoyvQ%3D%3D%7C0%7C%7C%7C%7Csdata=0gZDFaFGt3unleV802ptmCJaTddJrf7vEQmyrPIot5w%3D&reserved=0>



# Biofuels

November 18, 2024 11:02 AM



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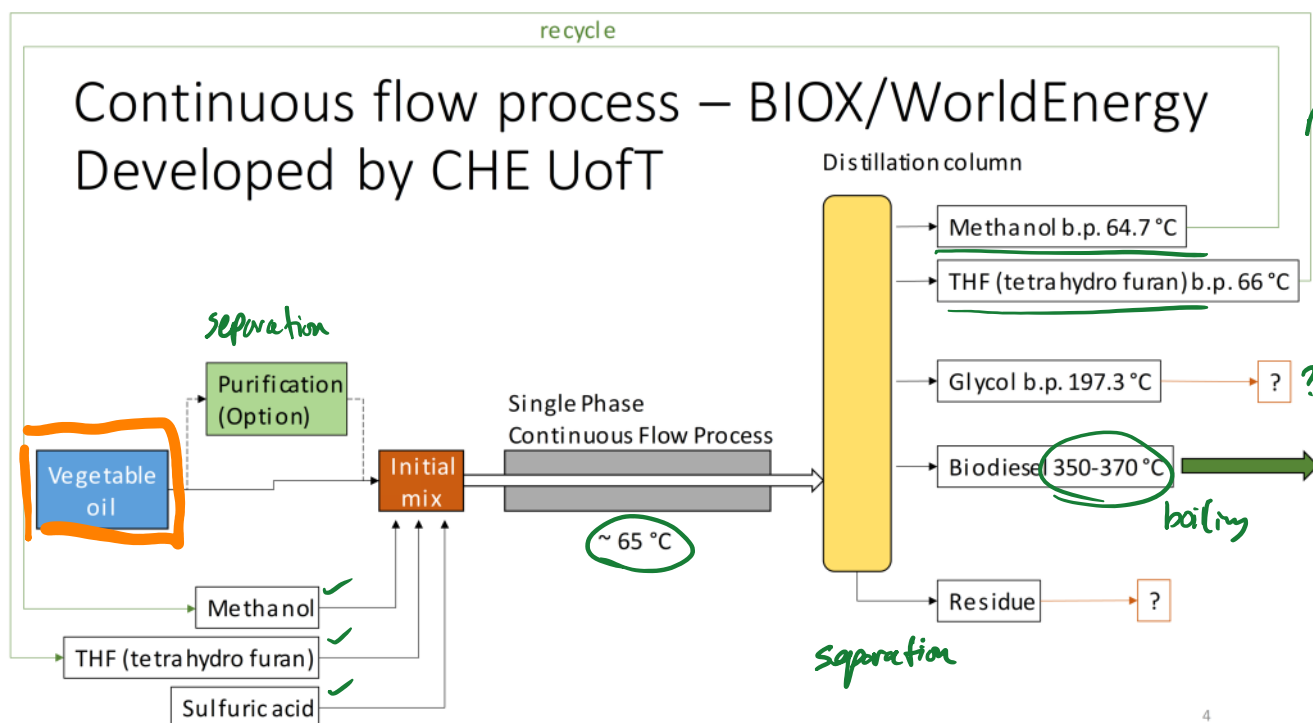
Chemical Engineering & Applied Chemistry  
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**world energy**

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## Continuous flow process – BIOX/WorldEnergy Developed by CHE UofT

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