

ORGANIC CHEMISTRY

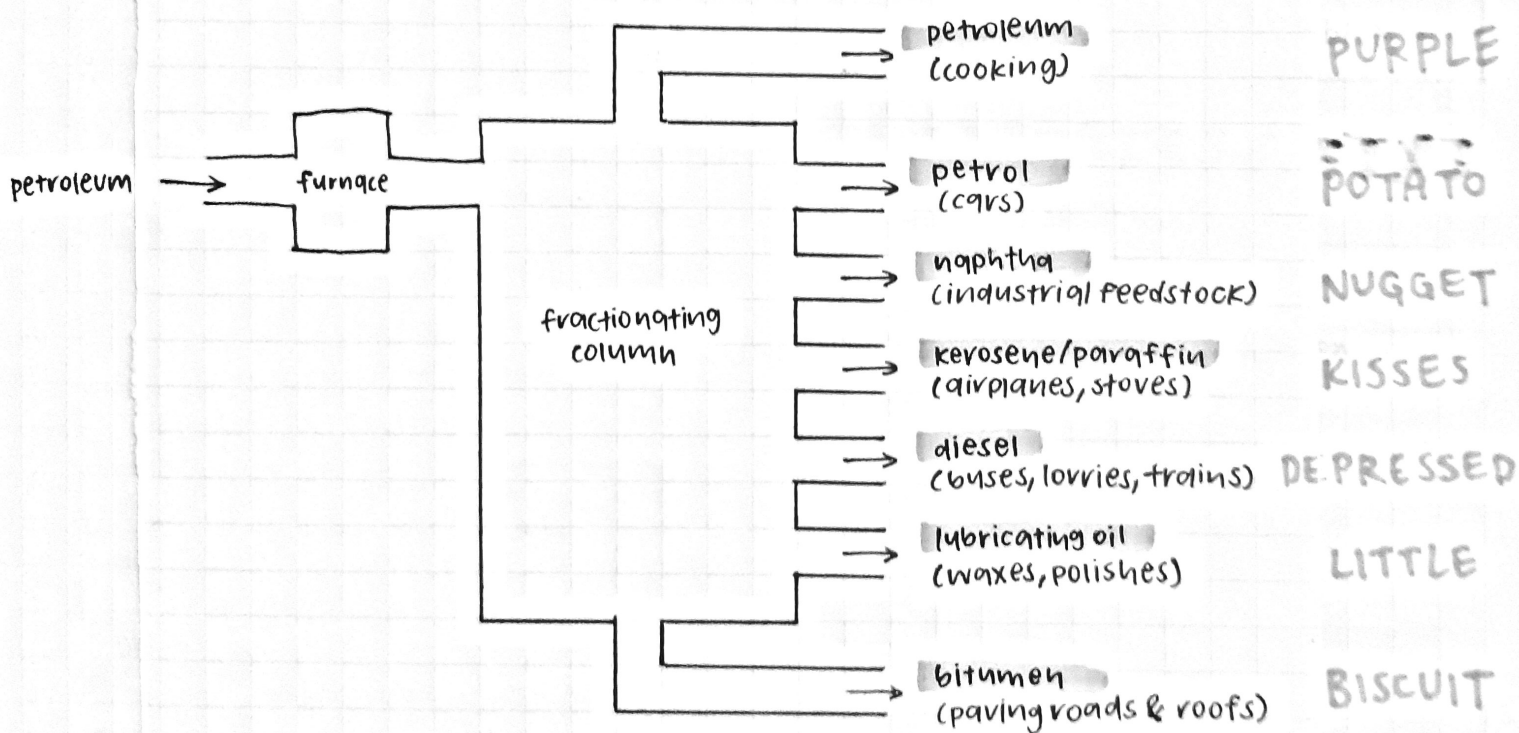
HOMOLOGOUS SERIES

- a family of organic compounds with the same functional group and similar chemical properties
- alkanes, alkenes, alcohols, carboxylic acids

ISOMERS

- compounds which have the same chemical formula but different structural formulae
- could belong to different homologous series
- share same chemical properties but different physical properties

FRACTIONAL DISTILLATION OF PETROLEUM



CRACKING

- larger demand for smaller fractions (fuel & chemical feedstock) so larger fractions (bitumen) are cracked to form smaller hydrocarbon molecules
- converts alkanes into alkenes