

# POST-AP CHEM MEETS ORGANIC CHEM

A brief foray through a few topics in orgo.

Skim Chang chapters 24 and 25 as well as section 22.4\*\*\*.

topics:

## I. HYDROCARBONS

- aliphatics
  - alkanes
  - cycloalkanes
  - alkenes
  - alkynes
- aromatics
- reactions
  - substitutions
  - additions ("across")

## II. ISOMERISM

- structural isomers
- stereoisomers\*\*\*:
  - geometric isomers:
    - cis v. trans (alkenes)
    - chair v. boat (cycloalkanes)
  - optical isomers (chirality); asymmetric carbon atoms
- conformational isomers (Newman projections)
  - staggered v. eclipsed

## III. FUNCTIONAL GROUPS

- nomenclature
- reactions
  - condensation
  - hydrolysis
  - polymerization

Coming soon to a theatre near you: Orgo Problem Set

