


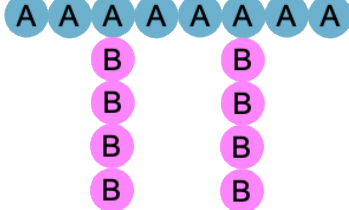
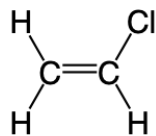


CONCEPT: COPOLYMERS

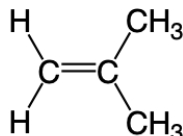
- **Homopolymers:** made up of _____ type of monomers.
- **Copolymers:** made up of _____ or more different monomers.
 - Subdivided into different types based on the _____ of monomers in a polymer chain.

Types of Copolymers		
Copolymer	Structure	Description
_____		□ 2 monomers alternate in regular sequence.
_____		□ 2 or more monomers arranged in random sequence.
_____		□ Large blocks of monomers alternate with one another.
_____		□ Homopolymer branches grafted into another homopolymer chain.

EXAMPLE: Provide a structure of alternating copolymer formed from following set of monomers.

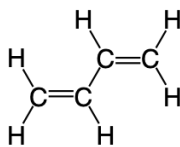
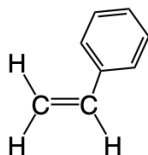


vinyl chloride



isobutylene

PRACTICE: Draw a short segment of SBS (styrene-butadiene-styrene) block copolymer.



CONCEPT: COPOLYMERS

PRACTICE: Identify (draw) monomers used to form following copolymer.

