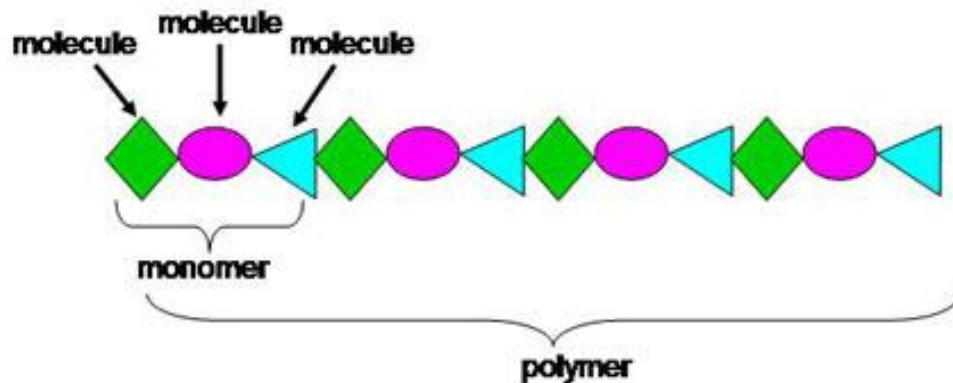
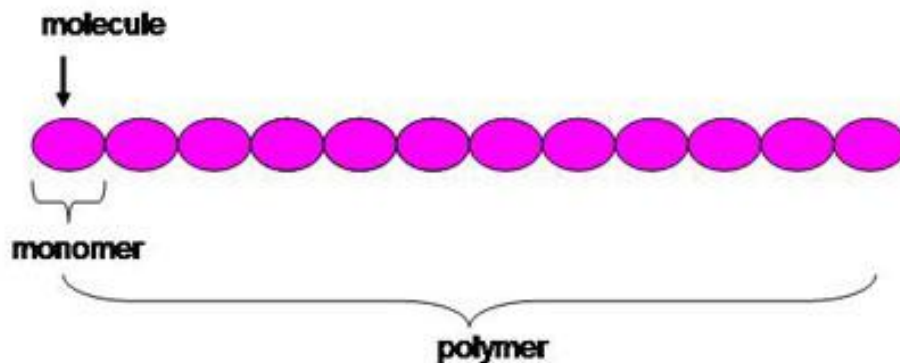


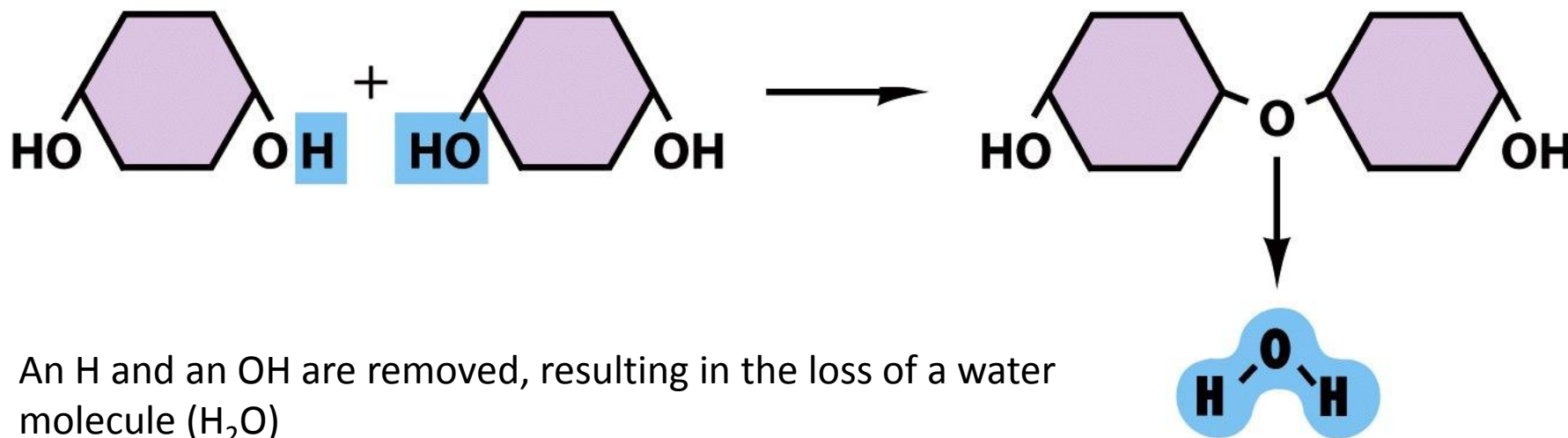
Organic Molecule Synthesis

- Biomolecules are **polymers** (chains) of subunits called **monomers**



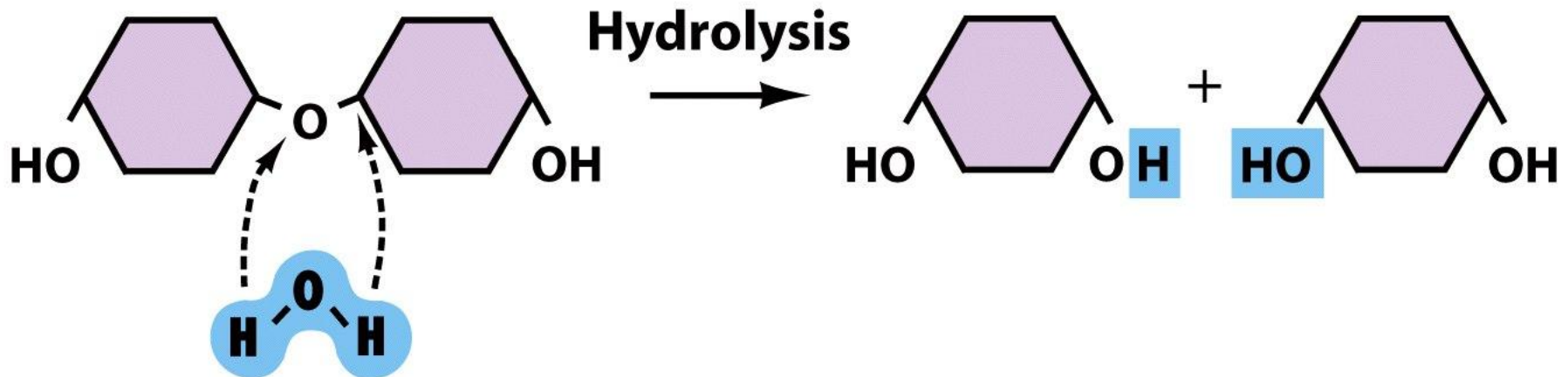
Organic Molecule Synthesis

- Monomers are joined together through **condensation reactions**
 - Also called dehydration synthesis



Organic Molecule Synthesis

- Polymers are broken apart through **hydrolysis** (“water cutting”)
 - Water is broken into H and OH and used to break the bond between monomers
 - **Here’s an animation**



Here's a simple animation