

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

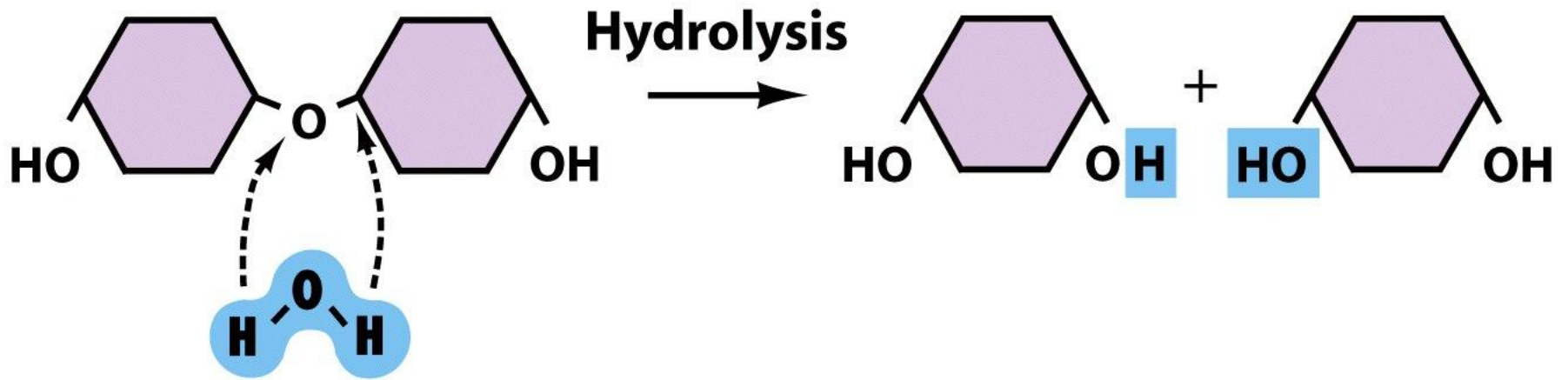


Figure 3-2 Biology: Life on Earth, 8/e
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Polymers are broken part by **hydrolysis** reactions

- Hydrolysis is the reverse of condensation: one molecule is split by the addition of H^+ and OH^- (from water) to the components.

[Animation](#)

Hydrolysis

