

# Organic Molecule Synthesis

---

- Monomers are joined together through **condensation reactions**.
  - An H and an OH are removed, resulting in the loss of a water molecule ( $\text{H}_2\text{O}$ )
- Also called **dehydration synthesis** (but IB uses the word condensation)

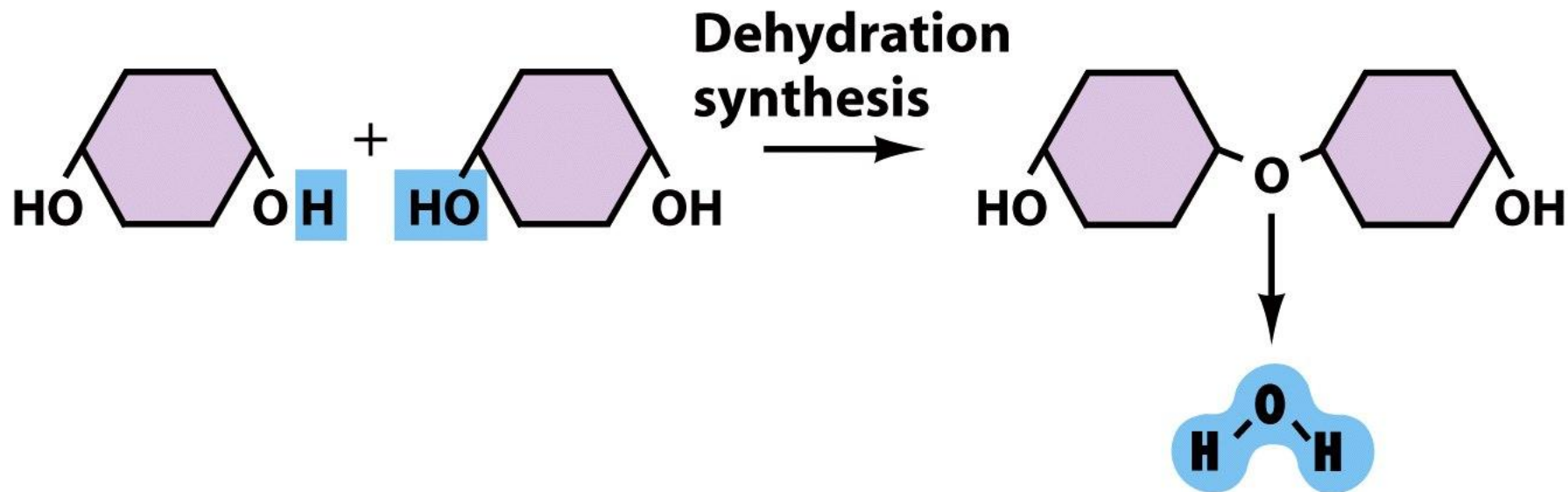
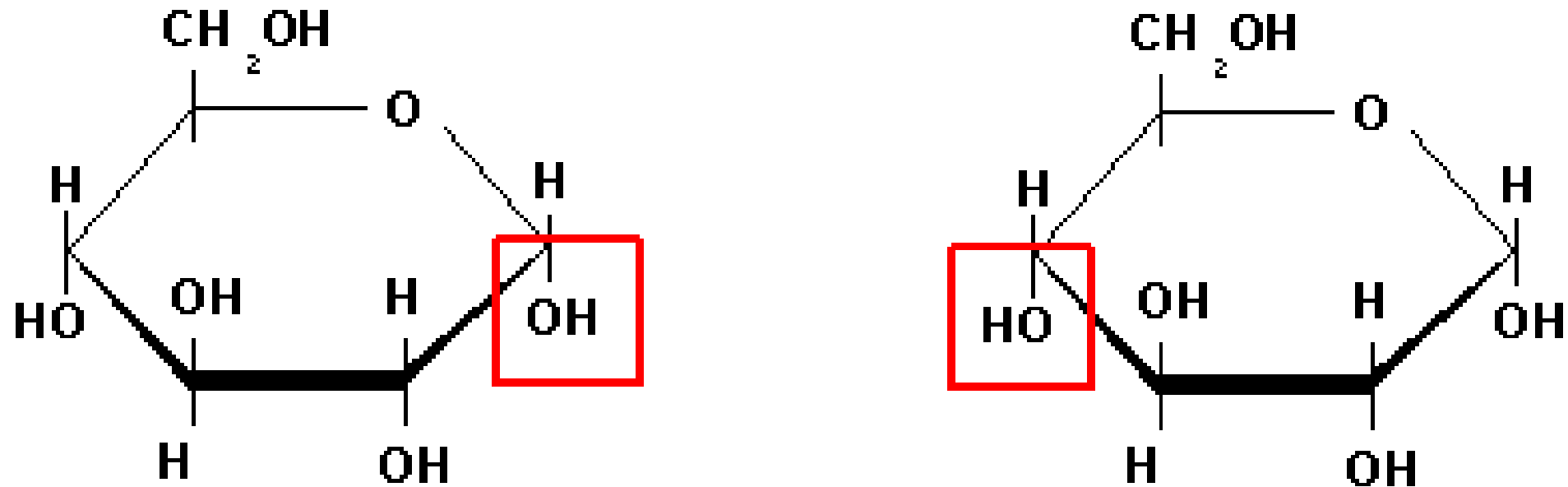


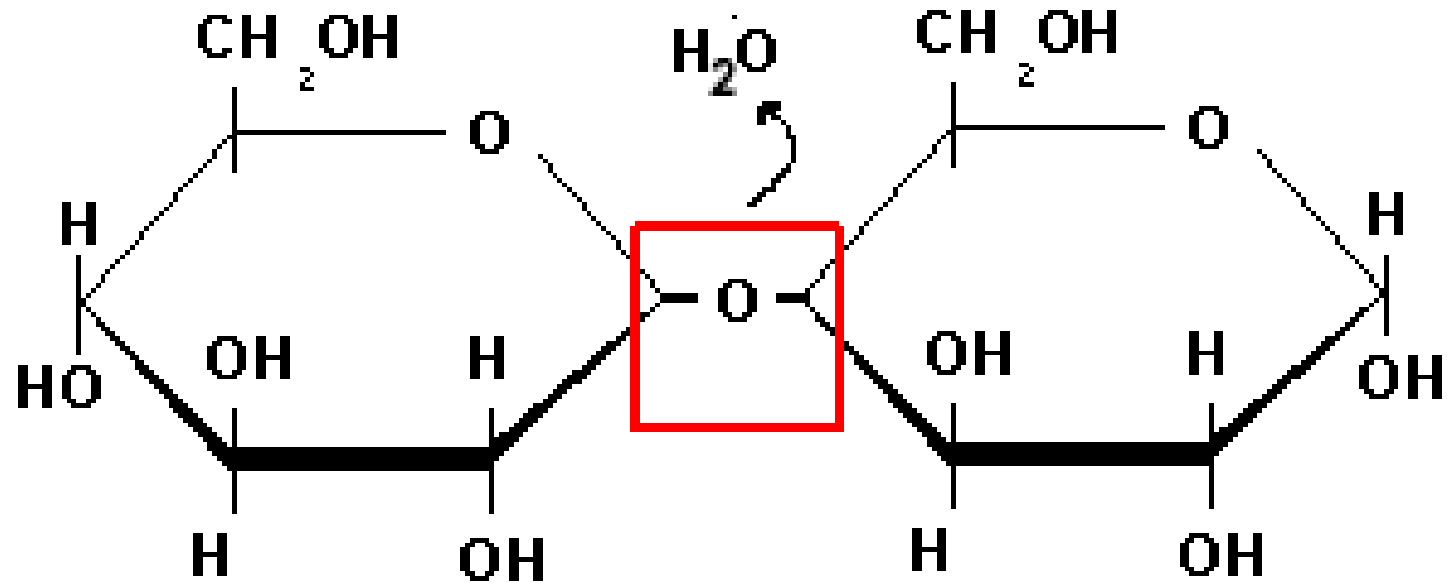
Figure 3-1 Biology: Life on Earth, 8/e  
© 2008 Pearson Prentice Hall, Inc.

# Dehydration Synthesis

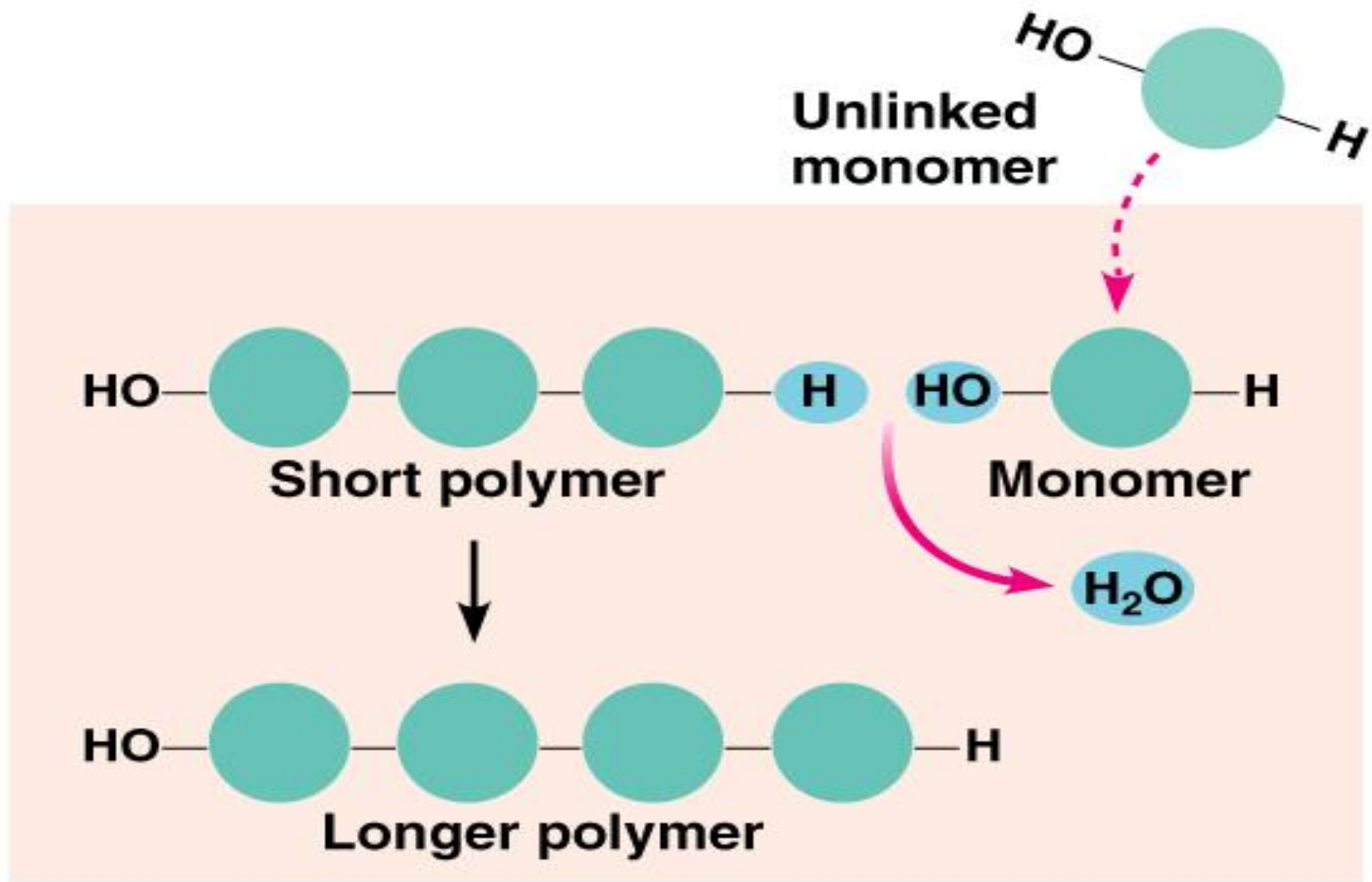


form a bond while  
losing a water molecule

# Dehydration Synthesis



form a bond while  
losing a water molecule



# Monomers and Polymers

Monomer

