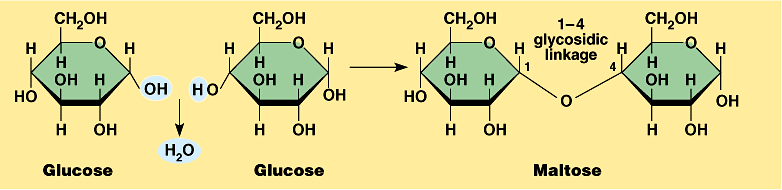
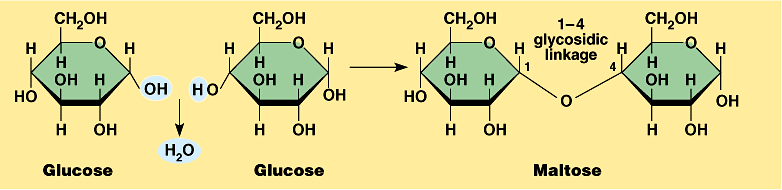
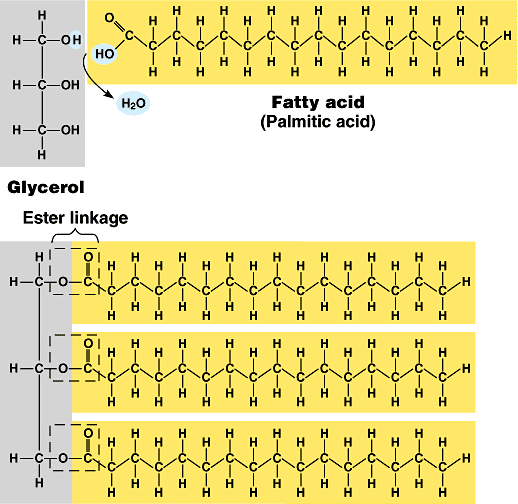
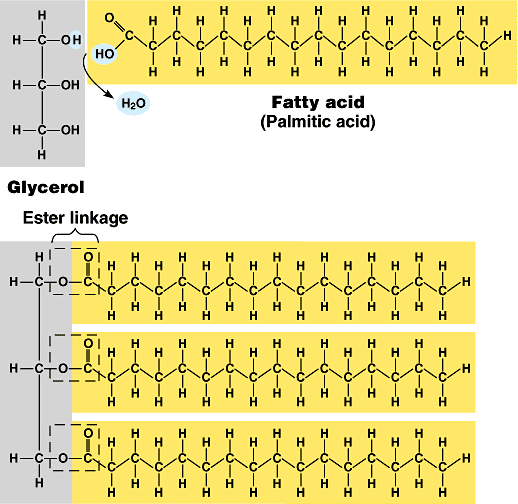
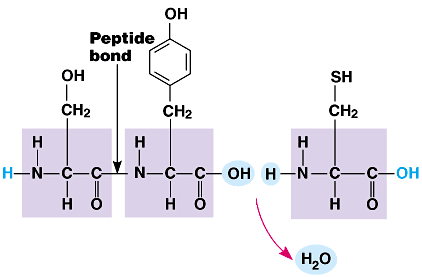
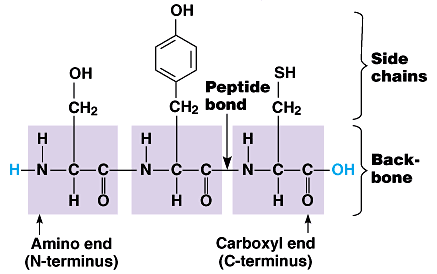
**Chemical Reactions**

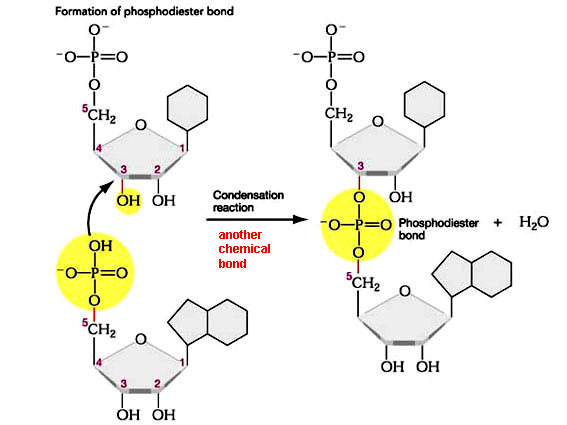
## Anabolic Reactions:

**Dehydration (Condensation) Synthesis**

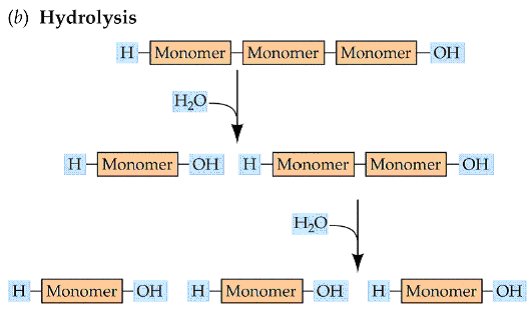
**Formation of a Disaccharide**

**Formation of a Triglyceride Formation of a Protein**

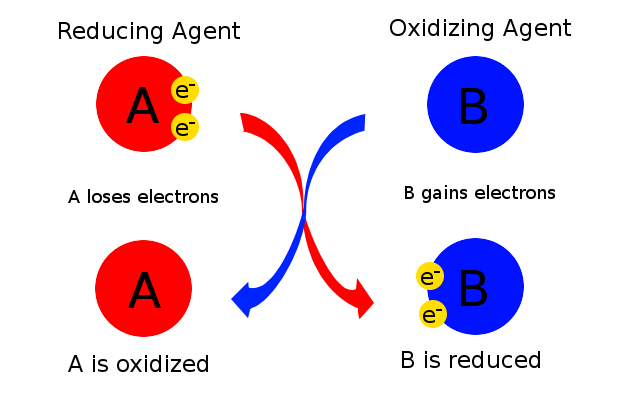


**Formation of DNA**

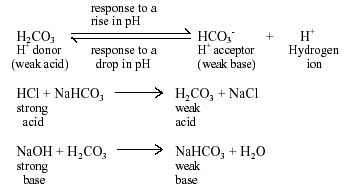
# Catabolic Reactions:

**Hydrolysis**

# Oxidation Reduction (Redox) Reactions

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# Buffers

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# Questions:

1. Identify each of the following activities as either anabolic or catabolic:
2. Protein synthesis
3. Digestion
4. DNA synthesis
5. Photosynthesis
6. Cellular respiration
7. Differentiate between a hydrolysis reaction and a condensation reaction.
8. Explain why a redox reaction must involve changes to two molecules simultaneously.