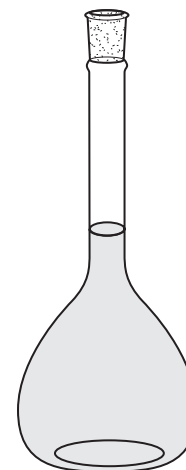
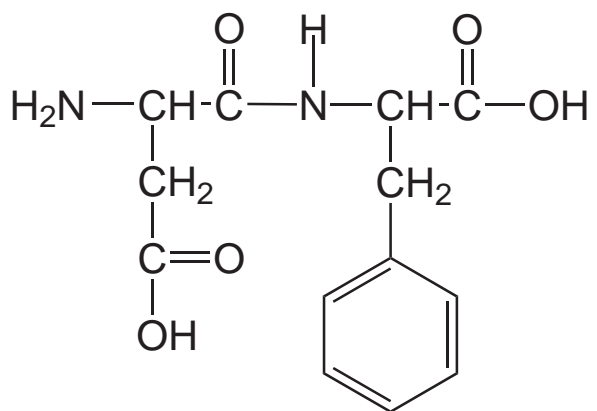
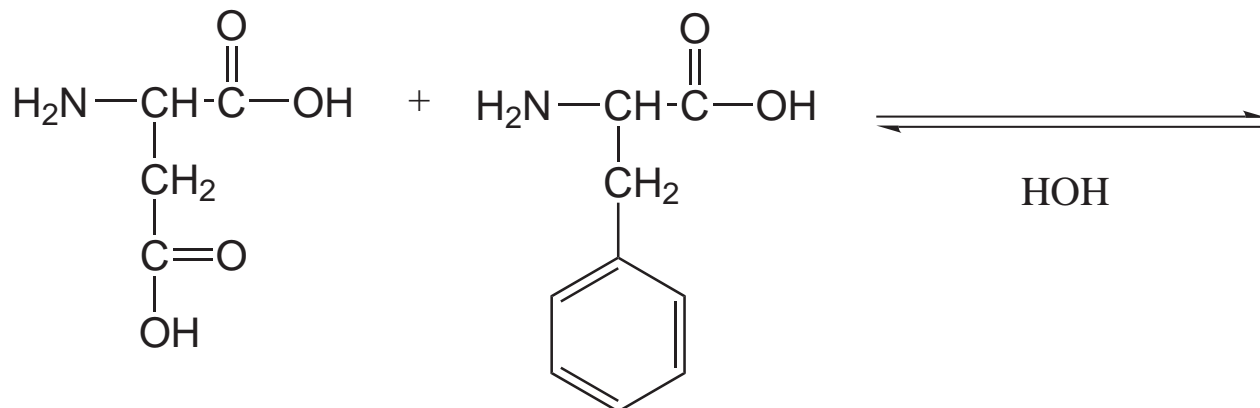


Important Organic Molecules

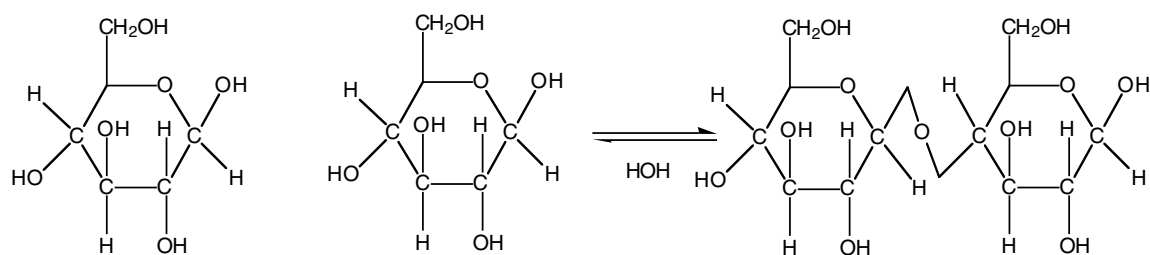
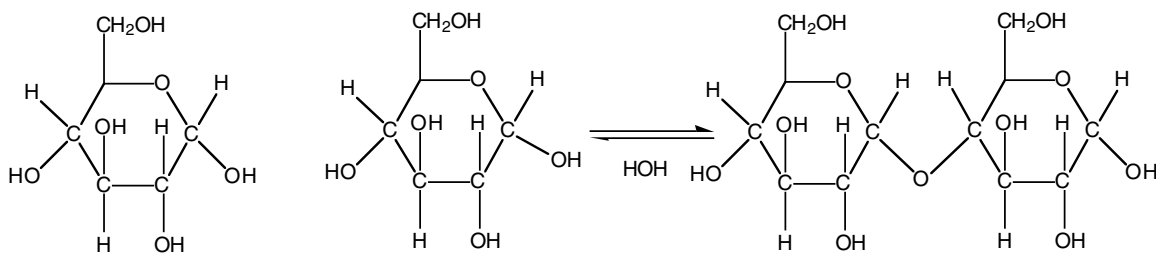
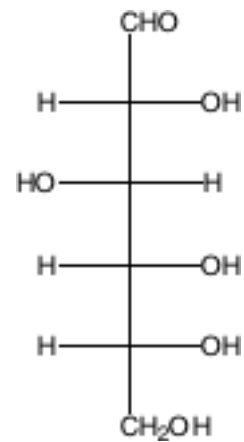
Part I

- What types of molecules are these?
- What direction is the hydrolysis reaction? The dehydration synthesis reaction?
- Circle the atoms involved in the formation of water.
- Identify the peptide bonds.



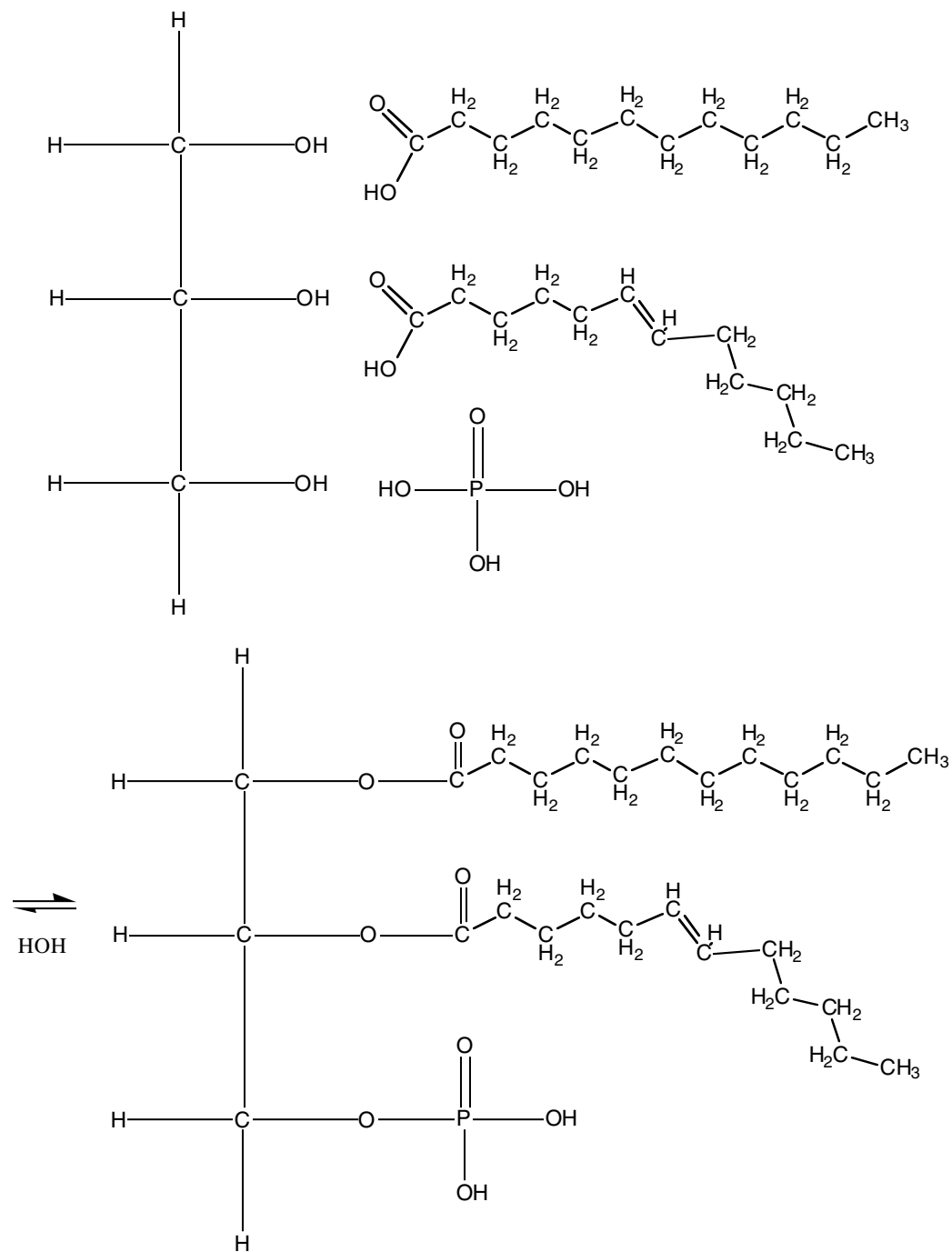
Part II

- What type of molecules are these?
- What direction is the hydrolysis reaction? The dehydration synthesis reaction?
- Circle the atoms involved in the formation of water.
- What's the difference between maltose and cellobiose?



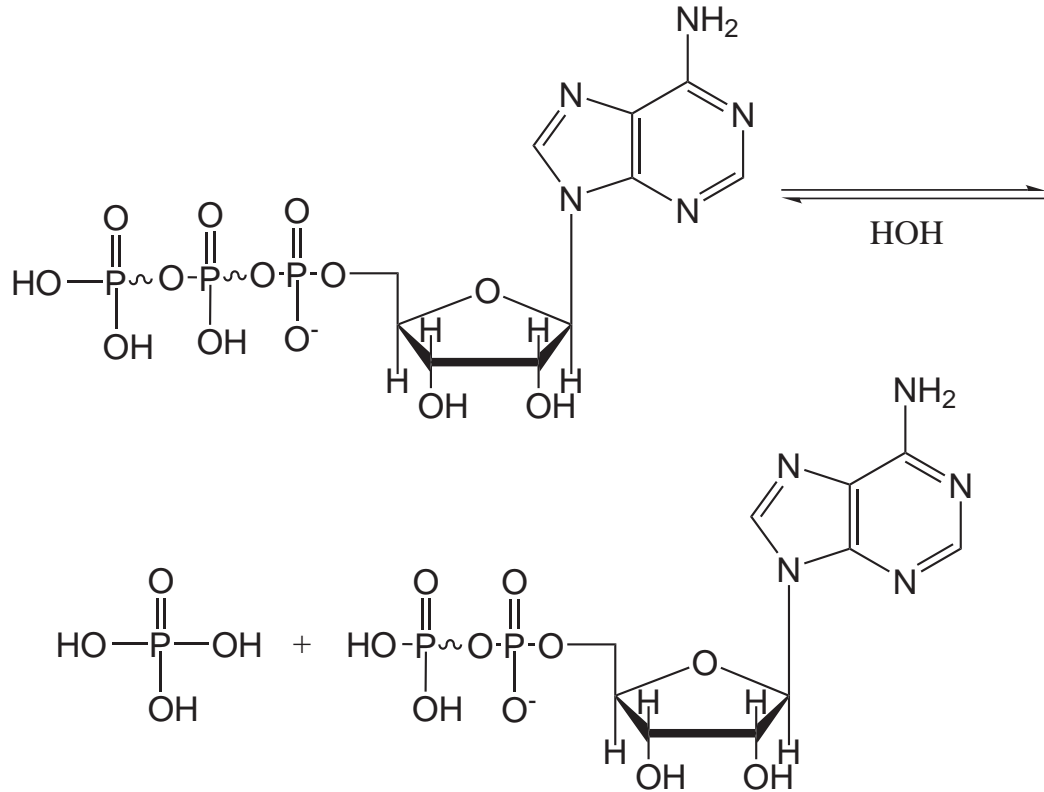
Part III

- Identify the following: glycerol, phosphate, saturated fatty acid, unsaturated fatty acid.
- What direction is the hydrolysis reaction? The dehydration synthesis reaction?
- Circle the atoms involved in the formation of water.
- How would you change this to make an archaeal plasma membrane?



Part IV

- What types of molecules are these?
- What direction is the hydrolysis reaction? The dehydration synthesis reaction?
- Circle the atoms involved in the formation of water.



- Show the dehydration synthesis reaction to make dATP?
- Show the dehydration synthesis reaction to make GTP?

