General Questions- Polymer Lab: p. 3

1. What are 3 types of biological polymers?

What are their monomers?

1. What polymer is used by plants to store energy?

What is its monomer?

1. What indicates a positive rxn with Benedict’s sol’n?
2. What is the monomer of rubber (used in Latex rxn)? (Research, if necessary. Hint- see p. 362))
3. Nylons are synthesized (man-made) polymers containing long chains. What is the repeating unit?
4. Write the general equation for the synthesis of nylon. Identify the functional groups in both rxns reactants and products.
5. Ethylene is a common monomer. Show its formula in polyethylene. (See Chap 12 Section 12.7 for help)
6. Differentiate between LDPE and HDPE. Give both properties and examples (see Ch 12)