1. What is the difference in the way addition polymers and condensation polymers are formed?

   - **Addition polymers**: the polymer is the only product
   - **Condensation polymers**: water (or another small molecule) is formed as well as the polymer

2. Draw the structure of the polymer formed from these monomers:
   
   **a.** 1,2-diaminoethane and butane-1,4-dioic acid
   
   ![Structure](structure_a.png)

   **b.** But-1-ene
   
   ![Structure](structure_b.png)

   **c.** 3-aminopropanoic acid
   
   ![Structure](structure_c.png)

3. Draw the structure of and name the monomers from which these polymers are made.

   **a.**
   
   - ![Structure](structure_a.png)
   - **pentane-1,5-dioic acid**
   - **1,3-diaminopropane**

   **b.**
   
   - ![Structure](structure_b.png)
   - **methylpropene**

   **c.**
   
   - ![Structure](structure_c.png)
   - **propane-1,3-dioic acid**
   - **ethane-1,2-diol**