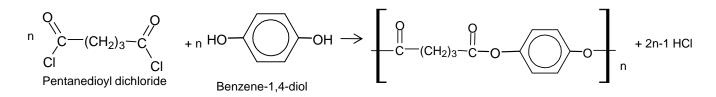


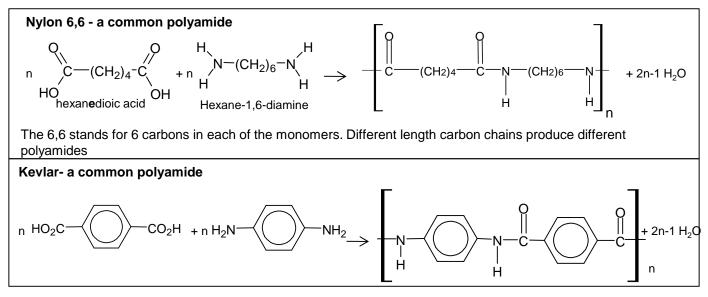
Benzene-1,4-dicarboxylic acid

Terylene fabric is used in clothing, tire cords

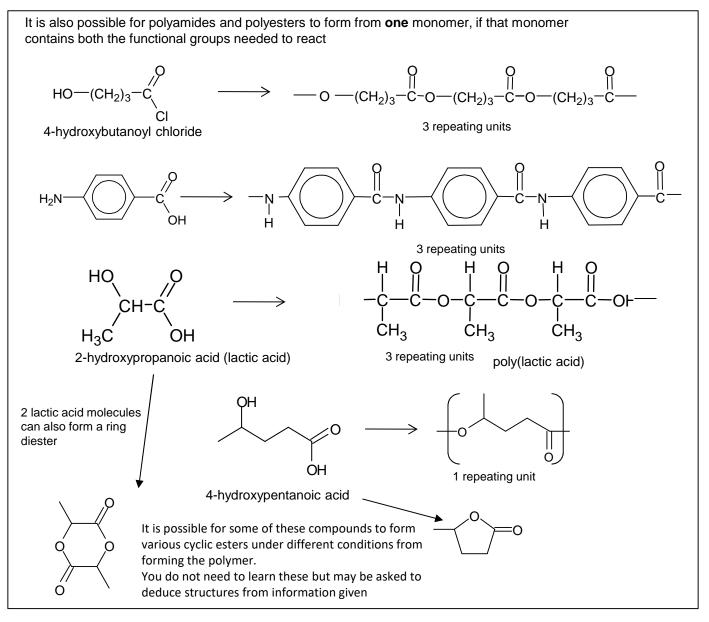


N Goalby chemrevise.org

each end of the chain the H and OH are still present



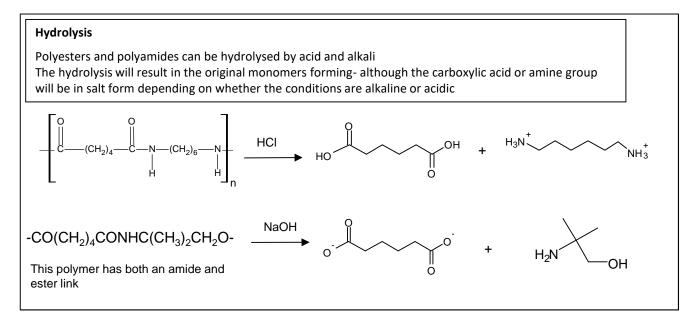
Note on classification for condensation polymers If asked for type of polymer: It is polyamide or polyester Whereas type of polymerisation is condensation



Chemical reactivity of condensation polymers

polyesters and polyamides can be broken down by **hydrolysis** and are, therefore, biodegradable

The reactivity can be explained by the presence of **polar bonds** which can attract attacking species such as nucleophiles and acids



Condensation polymers may be photodegradable as the C=O bond absorbs radiation.