**1** a In addition polymerisation, monomers join together without any small molecule being released / double bond opens and monomers join together.

In condensation polymerisation, a small molecule (usually water) is released when each monomer is added to the chain.

b WS 11

c This is a protein chain because there are more than two different monomers involved / protein chains are built from 20 different amino acids.

d

WS 11**2** a amino acids

b by heating overnight with concentrated hydrochloric acid

c (acid) hydrolysis