Name Date

Worksheet 9.1: Polymers molecular   
models practical

**1** Using molecular model kits, build the three following molecules: ethene (C2H4), propene   
(C3H6), chloroethene (C2H3Cl).

**2** Draw the Lewis structure of these molecules.

**3** What do these molecules have in common?

**4** Using molecular model kits, build the three molecules of ethene and then join them together.

**5** Explain, in term of bonds broken and bonds formed, what has happened when you join these ethene molecules together.

**6** Draw the repeating unit for poly(propene).

**7** Draw three repeating units of poly(chloroethene) joined together.