

## 2.9 – ALKENES – PPQ5



Name ..... Form .....

5) a) Poly(propene) can be made by the addition polymerisation of propene.

i) Write a balanced equation for this reaction.

(2)

ii) Give two uses for poly(propene).

Use 1 .....

Use 2 ..... (2)

iii) How is poly(propene) recycled? .....

..... (2)

b) The repeating unit of two polymers are shown. Name the monomer in each case. (2)

Structure of polymer	$\left[ \begin{array}{c} \text{CH}_3 \\   \\ \text{---CH}_2\text{---C---} \\   \\ \text{CH}_3 \end{array} \right]_n$	$\left[ \begin{array}{c} \text{---CH---CH}_2\text{---} \\   \\ \text{Cl} \end{array} \right]_n$
Name of monomer		

c) Draw the structure of the monomers formed from the following alkenes.

i) tetrafluoroethene

ii) pent-2-ene

(2)

d) Polyalkenes are examples of addition polymers. What are addition polymers?

.....  
 .....

..... (2)