

SCIENCE (Chemistry)
ORGANIC CHEMISTRY (Polymers)

Name: _____ () Class: _____ Date: _____

Exercise 6

1) What is polymerisation?

2) What is a monomer?

3) i) In the space below, show how part of the polymer molecule can be made from 3 monomers of ethene C_2H_4 .

ii) What is the chemical name of this polymer? _____

iii) What is the formula of a poly(ethene) molecule? _____

4) State 5 uses of poly(ethene).

5) Plastics are man-made polymers. State 5 properties of plastics that show why many common objects are made of plastics instead of metal.

6) Most plastics cause pollution because they are not biodegradable. What is meant by the term **biodegradable**? (refer to pg 137 of textbook for definition)
