

Chemistry 0 Unit 3 Lesson 11 Homework
Assigned on 05/15/2022 Due date:05/21/2022

1. Fill in the blank:

- 1) Polymers are built by linking _____ together in chemical reactions. This can be done using many different reactions including _____ reactions and _____ reactions.
- 2) The simplest addition polymer is _____, made by linking together molecules of _____.
- 3) The addition reaction starts with the formation of a _____.
- 4) Side reactions may destroy the active free radical and thus stop the polymer chain from growing. This is called chain _____.
- 5) A _____ reaction is a chemical reaction in which two monomers combine to form a new molecule, giving off a by-product water.

2. Please list two examples of addition polymers and their uses below.

3. Please list two examples of condensation polymers and their uses below.