

**Chemistry 0 Unit 3 Lesson 11 Homework**  
**Assigned on 05/16/2021     Due date:05/22/2021**

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.