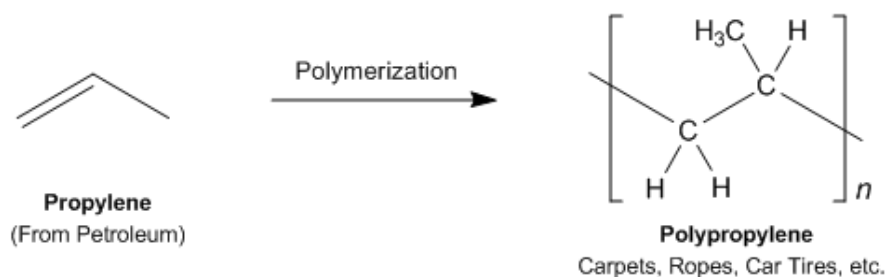


## CONCEPT: FREE RADICAL POLYMERIZATION

□ Radical polymerization reactions use \_\_\_\_\_ in excess to extend the propagation step almost indefinitely.

- Petroleum is converted into various plastics through this mechanism

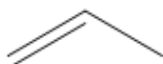


### General Mechanism:

*Initiation:*



*Propagation:*



*Termination:*

**EXAMPLE:** Use the polymerization mechanism to draw the polymer formula for the following compound

