

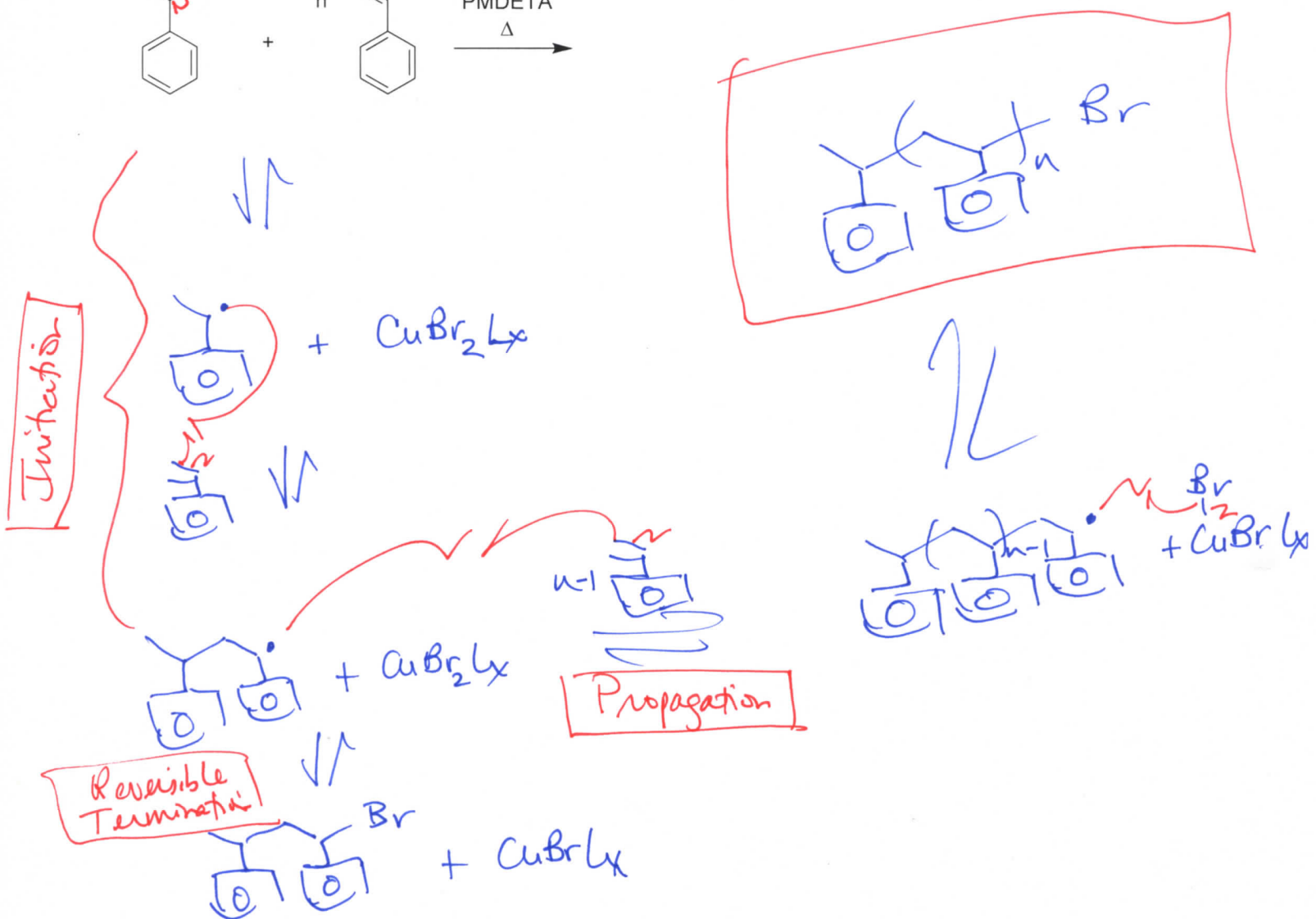
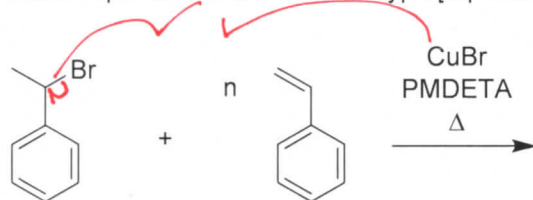
Your Name: ANSWER KEY [printed]

"On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work."

_____ [signature]

Quiz #9, April 3, 2014, 10 pts
Polymer Chemistry, CHEM 466, Spring 2014
Texas A&M University, College Station, TX, USA

Provide an electron arrow-pushing mechanism for the following polymerization [5 points] and the chemical structure for the final polymer [3 points]. Also, state what type of polymerization it is, in general, and its specific named reaction type [2 points].



General reaction type: controlled radical chain-growth, addition polym
Specific reaction name: atom transfer radical polym (ATRP)