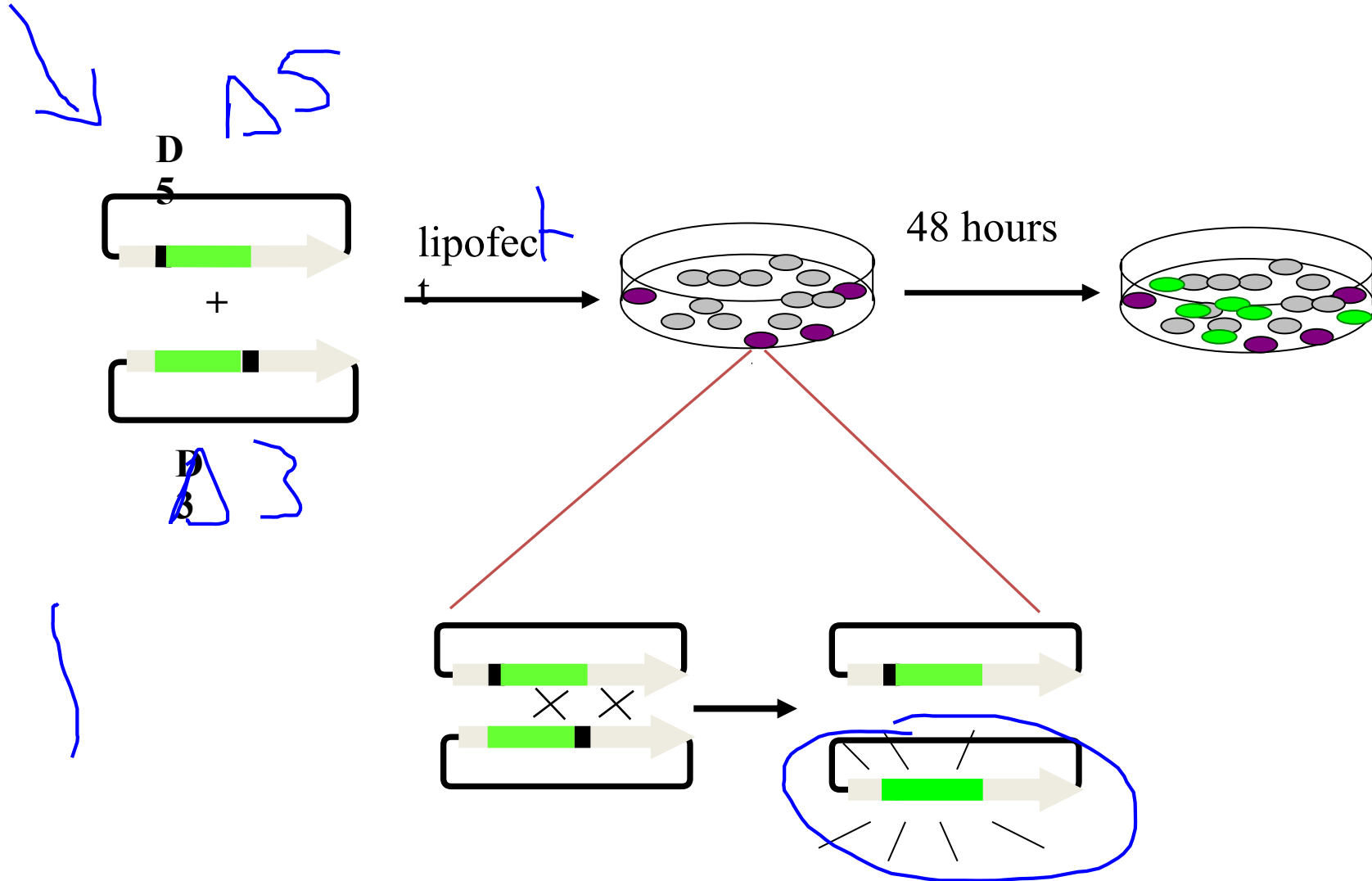


DNA Engineering: M1D1 Lab Talk

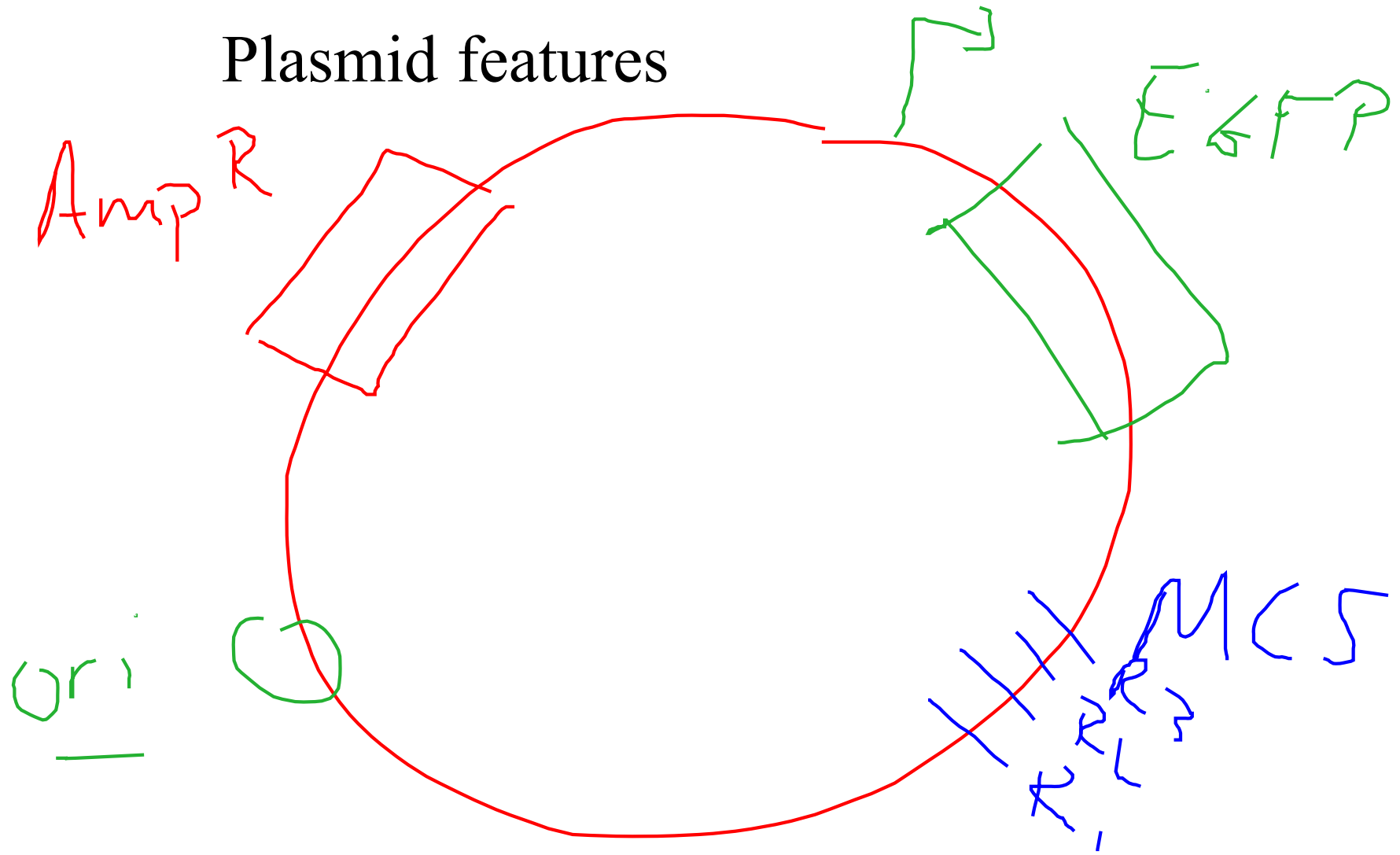
20.109 (F11)

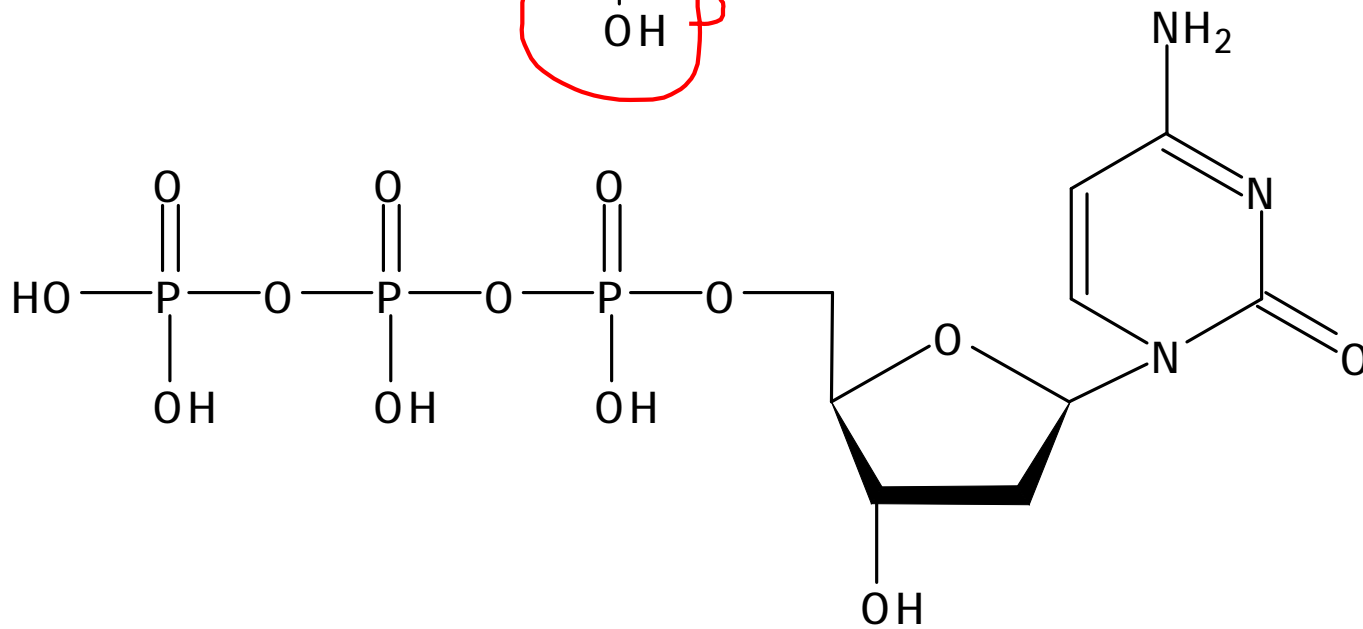
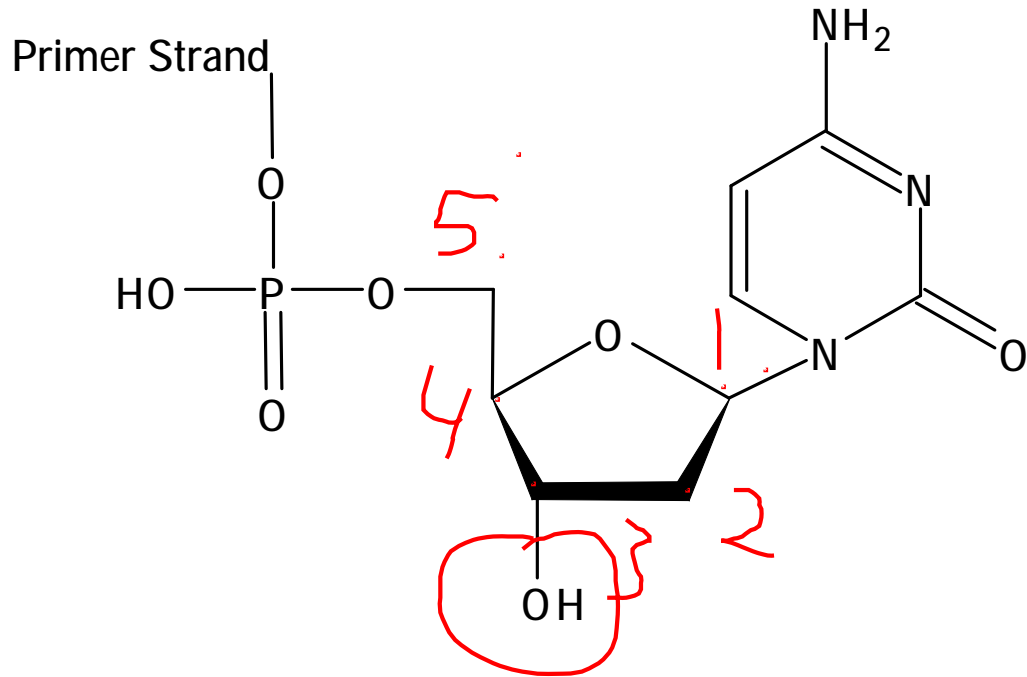
09.13.11

Module 1 overview

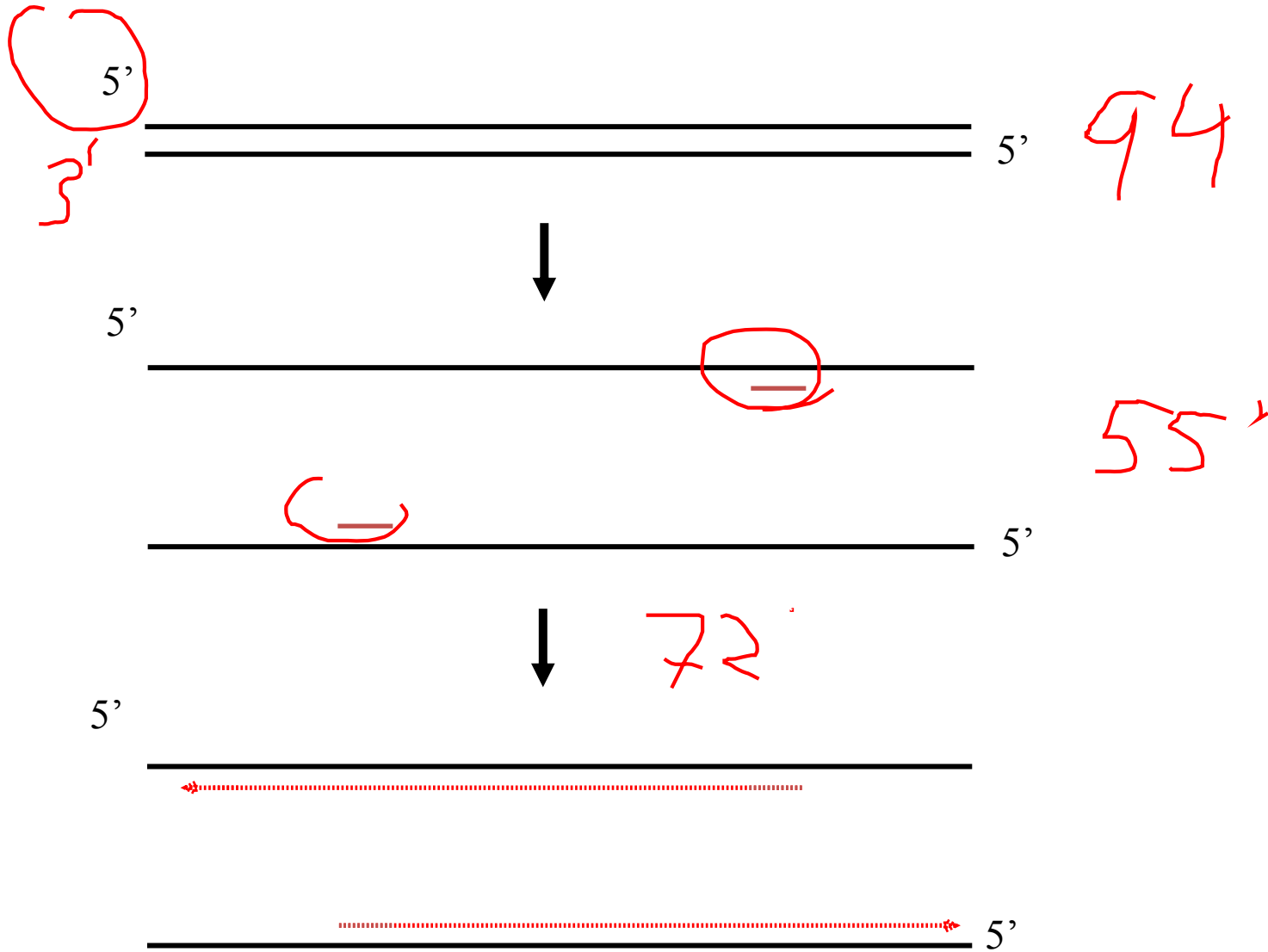


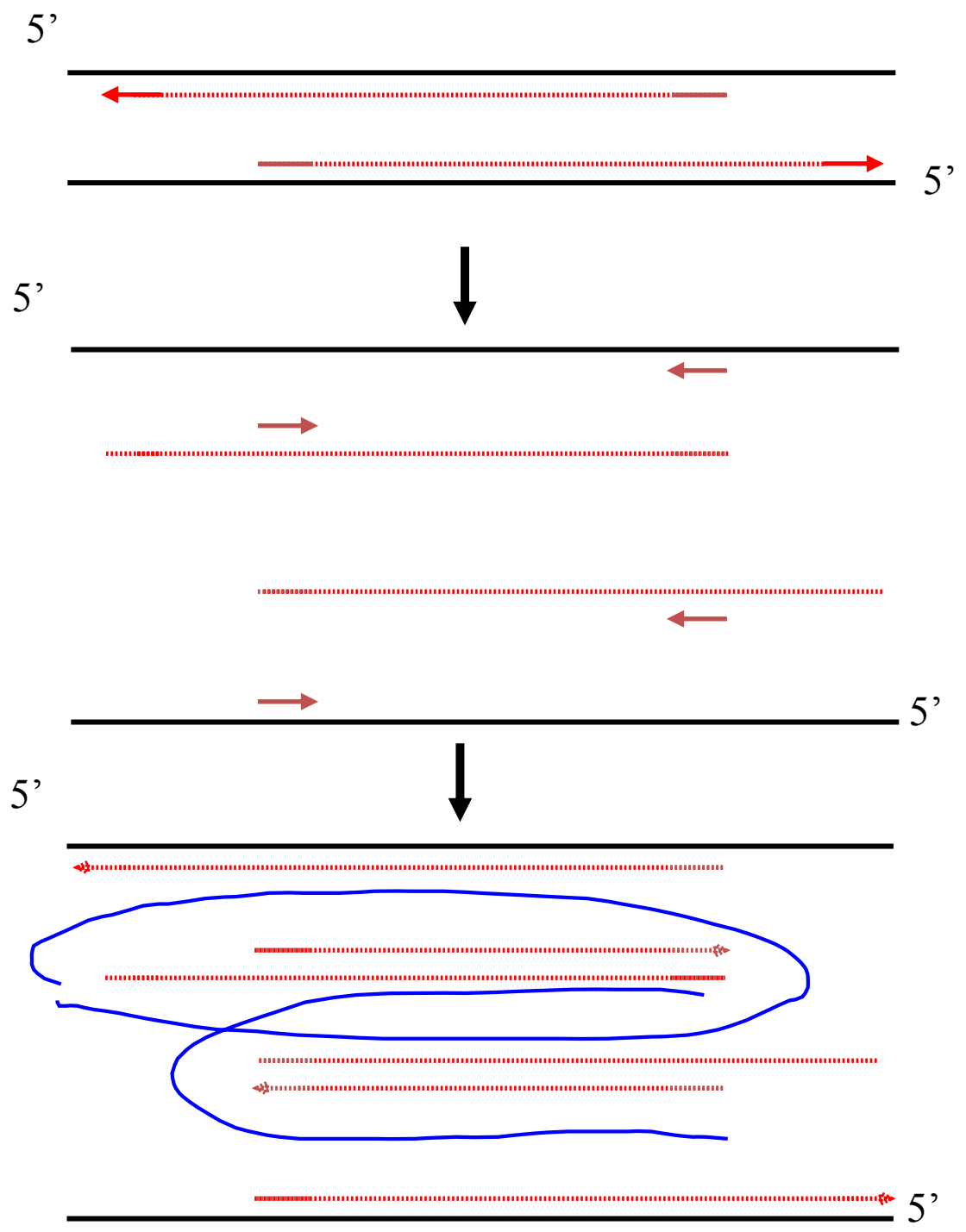
Plasmid features

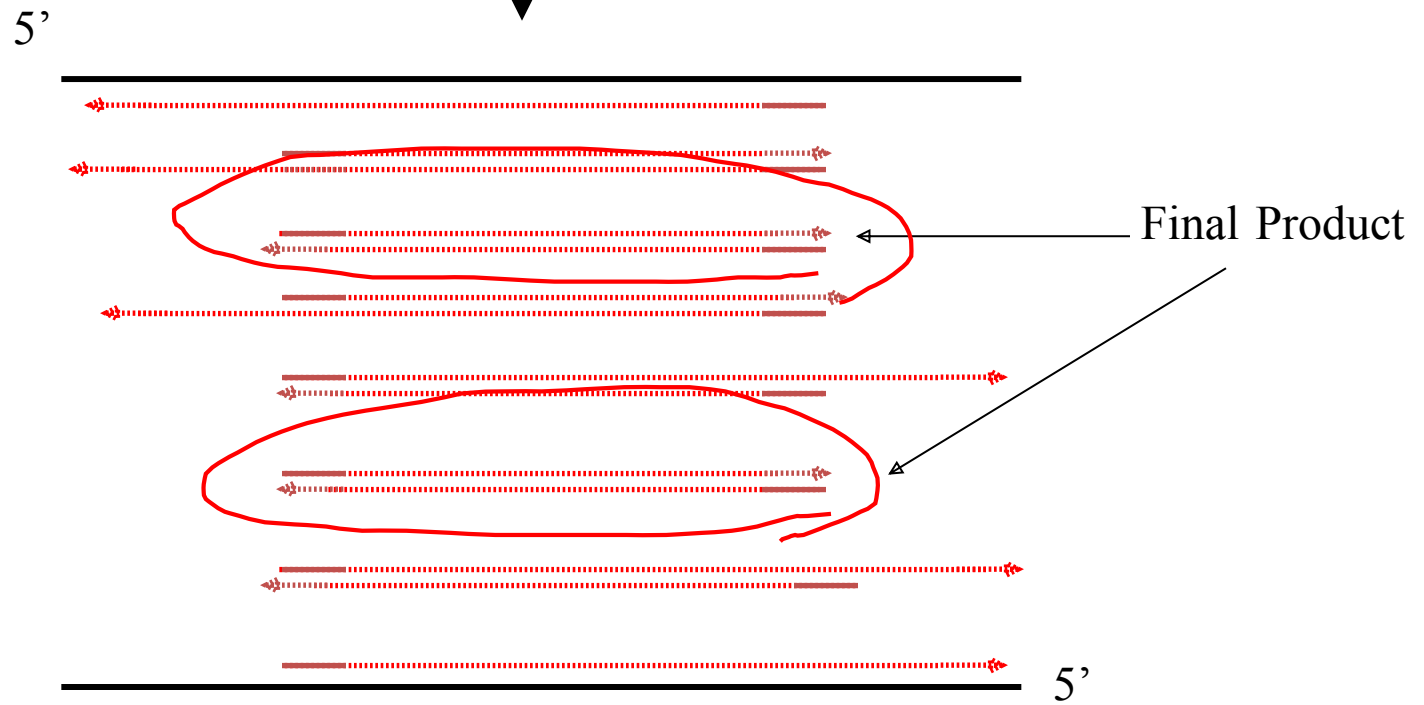
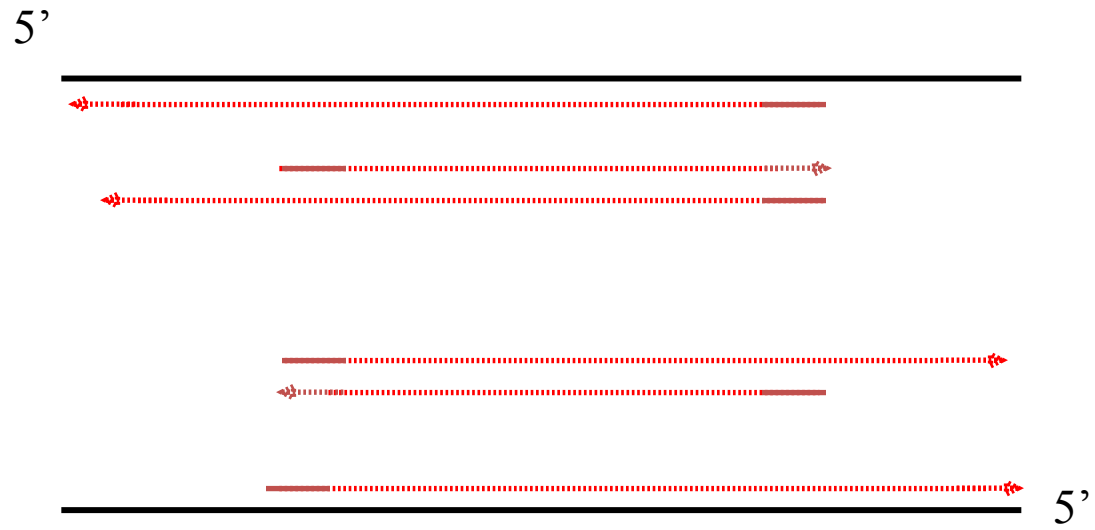




PCR

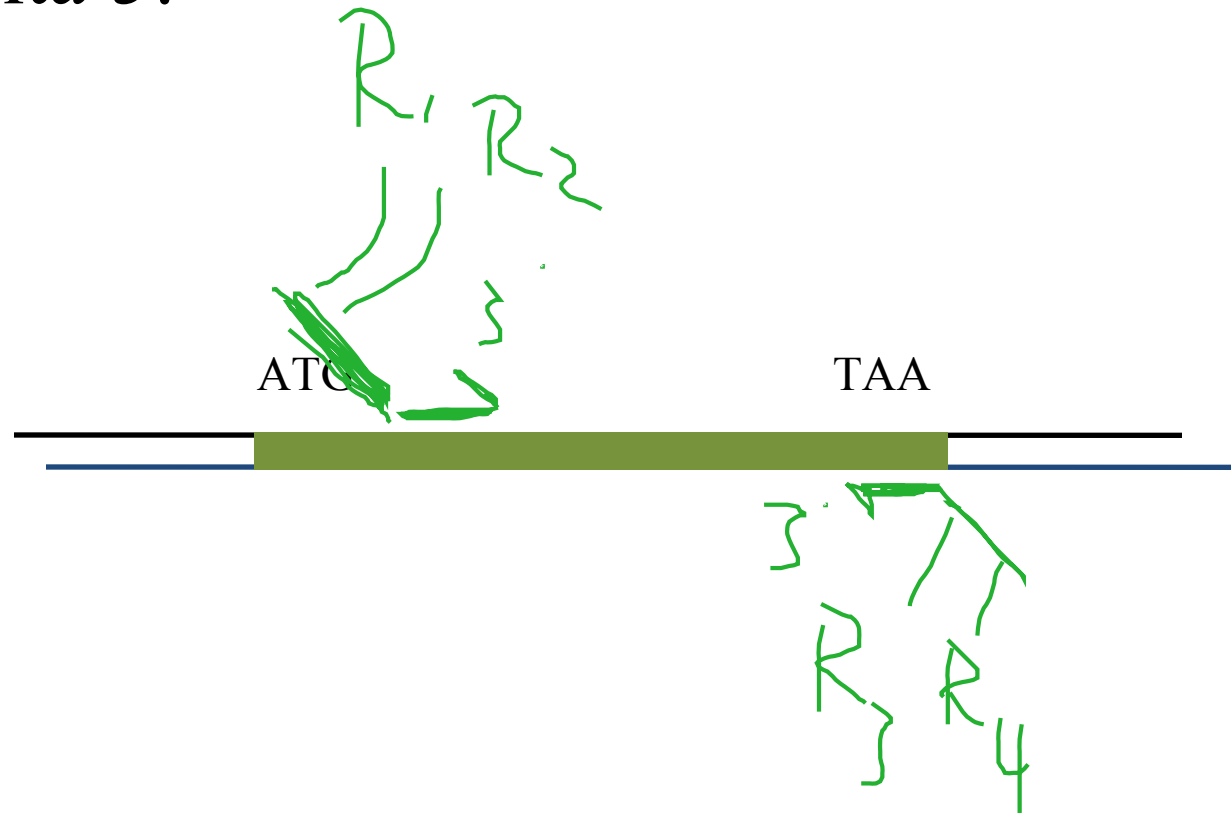






Your primers

delta 5:



Primer Design

1. 17-28 bases
 2. 50-60% (GC)
 3. Melting Temps should be ~65-80°
 4. 3'-ends of primers should not be complementary to each other (why?)
 5. Hairpins should be avoided (why?)
 6. Check for 'accidental' annealing elsewhere in your target.
-

Your reactions

Component	Function
Primers	Amplify
Template	Source of seq
dNTPs, Taq, Mg, B	Master mix

This week in lab

T LAB PRACTICAL
PRIMER Design
PCR

R Clean PCR
Digest