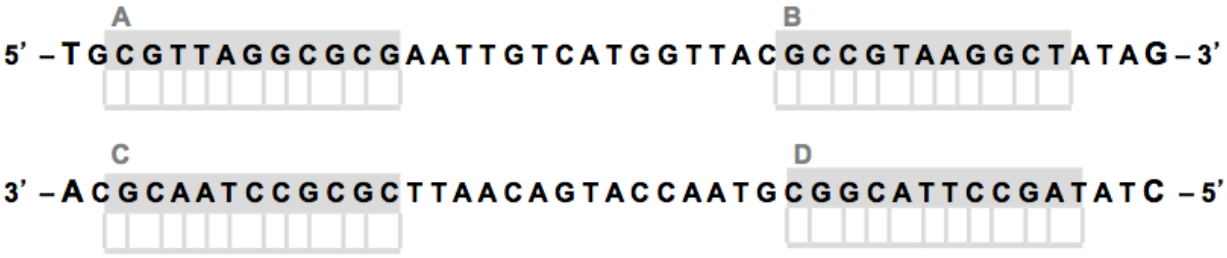
PCR Primer Design Exercise



1. **Write the nucleotide sequence of <u>one</u> suitable <u>forward and reverse primer pair</u> into the empty white boxes below the selected target sequences A, B C or D (grey boxes)**

2. **Indicate the 5' and 3' ends of your selected primer pair**

3. **Draw arrows to indicate the polymerization direction of the *Taq* polymerase after annealing of your chosen primer pair to the template DNA**

4. **What would be the length (in bp) of the PCR amplified DNA using your selected pair above?**

   _____ bp