

## CH1010

## Tutorial 9

**Name:**

1. Provide the **codons** in the **DNA template** and **mRNA** transcribed from it for the following decapeptide:  
VHCIGAKAPN
  - Make sure that you include a start codon and a stop codon.

2. Illustrate what effect the following mutations would have on the **transcribed peptide**:

ATGACTAAAAGTGTT    DNA coding strand

ATGAC**C**AA**C**AGTGTT    DNA coding strand, point mutations to C

ATG**G**ACTAAAAGTGTT    DNA coding strand, insertion mutation, inserting G

- What **physico-chemical factors** produce mutations?

