Standard 4

4A	Students know the general pathway by which ribosome's synthesize proteins, using
	tRNAs to translate information from mRNA.
4B	Students know how to apply the genetic coding rules to predict the sequence of
	amino acids from sequence codons to RNA
4C	Students know how mutations in the DNA sequence of a gene may or may not affect
	the expression of the gene or the sequence of amino acids in the encoded protein.
4D	Students know specialization of cells in a multicellular organism is usually due to the
	different patterns of gene expression rather than to differences of the genes
	themselves.
4E	Students know proteins can differ from one another in the number and sequence of
	amino acids.
4F	Students know why proteins having different amino acid sequences typically have
	different shapes and chemical properties.