

Question 1: Organism like _____ have only one RNA polymerase but all _____ have at least three different ones i.e., Pol I, II, and III.

eukaryote-prokaryote

bacteria-eukaryotes

eukaryotic plants-eukaryotic animals

eukaryotic plants-prokaryote

Question 2: Usually Pol II promoters contain a TATA box _____ of the transcription start site.

upstream

downstream

Question 3: The promoter for the _____ gene comprises two parts: the core element and the UCE (upstream control element).

rRNA

tRNA

mRNA

DNA

Question 4: During DNA elongation, the enzyme polymerase adds one _____ at a time to the growing _____.

nucleotide-DNA

amino acid-DNA

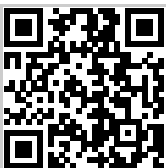
amino acid-RNA

nucleotide-RNA

Question 5: The number of heptapeptide repeats (Tyr-Ser-Pro-Thr-Ser-Pro-Ser) in CTD correlates with the complexity of _____ of a cell.

genome

gene



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