

WORKSHEET_B

THE GENE EXPRESSION REGULATION PART 2

1) RNA polymerase binds to the:

- a) Operator
- b) Promoter
- c) Regulator
- d) Terminator
- e) Enhancer

2) The most efficient control of eukaryotic gene expression is achieved at the level of:

- a) Replication
- b) Transcription initiation
- c) Post-transcription
- d) Translation initiation
- e) Post-translation

3) At which of the following level(s) can gene expression be regulated in eukaryotes?

- a) Passage of mRNA through the nuclear membrane
- b) Destruction of the mRNA
- c) Rate of protein synthesis
- d) A and B
- e) A, B and C

4) DNA is associated to proteins called.....to form a condensed chromatin

- a) Nucleosomes
- b) Barr bodies
- c) Transcription factors
- d) Histones
- e) SSBPs

5) The exons of eukaryotic mRNA are removed and the introns are spliced together

- a) TRUE
- b) FALSE

