# CHAPTER 9 – MOLECULAR BIOLOGY

Use your textbook to find the answer to the following questions. (Refrain from long answers)

|  |  |  |  |
| --- | --- | --- | --- |
|  | REPLICATION | TRANSCRIPTION | TRANSLATION |
| Starts at…(show location on the main molecule) |  |  |  |
| Main molecule/-s performing the process |  |  |  |
| Final product/-s |  |  |  |
| Location within the cell (EK) |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
|  | REPLICATION | TRANSCRIPTION | TRANSLATION |
| Starts at…(show location on the main molecule) | Origin of replication | promoter | ATG |
| Main molecule/-s performing the process | DNA polymerase | RNA polymerase | RNAs |
| Final product/-s | 2 copies of DNA  | mRNA | protein |
| Location within the cell (EK) | Nucleus  | Nucleus  | Cytoplasm  |

SOLUTIONS: