

CH1010

Tutorial 10

Name:

1. Describe the following terms: **genome**, **chromatin**, **oligonucleotide**, **transcription factor**.
2. Describe structure and function of a **gene**.
3. What is a **polysome** and why is a polysome necessary?

4. Amino acids need to be activated before they can be used in protein synthesis. Explain how amino acids are **activated** and how there is a high level of **quality control** in this step of charging the amino acid.

4. Describe the process of **post-translational modification** in protein synthesis. Provide examples of each type of modification.