**Biology for Health Sciences**

**Chapter 15 and 16 Worksheet Name:**

1. What is the Central Dogma?
2. The sequence of DNA specifies the sequence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the building blocks of proteins.
3. When a particular gene is activated, the DNA is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into a piece of mRNA, the mRNA is then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into an amino acid sequence.
4. In mRNA, every 3 nucleotides is a \_\_\_\_\_\_\_\_\_\_.
5. Each codon codes for a particular \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. How many amino acids are there? \_\_\_\_\_\_\_
7. On what organelle does translation happen? \_\_\_\_\_\_\_\_\_\_\_\_\_
8. What is the function of the tRNAs?
9. Label:



1. Draw the figure I drew on Slide 15 on Overview for Eukaryotic Cells (on the back of this paper).
2. What happens when a mutation occurs in the DNA?
3. What can cause mutations?