**Bioinformatics Worksheet #1: Bioinformatic Vocabulary**

**The field of bioinformatics, just like other sciences, has vocabulary that is specific to the discipline. Understanding that terminology is key to successfully working through the process of identifying the proteins contained within a sequence of DNA, encoded by the sequence of nitrogenous bases, which, when translated, becomes a series of amino acids (aa) that make up each protein’s primary structure. Work to define the vocabulary words below, both from your previous material on genetics and the lecture provided today on the field of bioinformatics.**

**Operon –**

**BLAST –**

**Prokaryote –**

**Codon –**

**Transcription –**

**Translation –**

**Open Reading Frame –**

**6 Reading Frames –**

**Shine Delgarno Consensus Sequence –**

**Central Dogma -**