

Standard 5

5A	Students know the general structures and functions of DNA, RNA, and protein.
5B	Students know how to apply base-pairing rules to explain precise copying of DNA during semiconservative replication and transcription of information from DNA into mRNA
5C	Students know how genetic engineering (biotechnology) is used to produce novel biomedical and agricultural products.
5E	Students know how exogenous DNA can be inserted into bacterial cells to alter their genetic makeup and support expression of new protein product