## STAAR A Iterna te 2 Sprin g 202 5 Biology Essence Statements

Includes only the overlapping curriculum that is eligible assessment the 2024-2025 school year.

STAAR R eporting Category 1	STAAR Reporting Category 2	STAAR Reporting Category 3	STAAR Reporting Category 4	STAAR Reporting Category 5

Knowledge and Skills Statement

Biology (5) Science concepts. The student knows that biological structures at multiple levels of organization perform specific functions and processes that affect life. (Readiness and Supporting Standard) Essence Statement Knows that all living things are composed of cells that perform specific functions and that viruses are different from cells.

Knowledge and Skills Statement

Biology (6) Science concepts. The student knows how an organism grows and the importance of cell differentiation (Readiness and Supporting Standard) Essence Statement Recognizes the importance of the cell cycle and cell differentiation to the growth of organisms.

Knowledge and Skills Statement

Biology (7) Science concepts. The student knows the role of nucleic acids in gene expression. (Readiness and Supporting Standard) Essence Statement Recognizes the structure of

Knowledge and Skills Statement

DNA.

Biology (8) Science concepts. The student knows the role of nucleic acids and the principles of inheritance and variation of traits in Mendelian and non Mendelian genetics. (Readiness and Supporting Standard) Essence Statement Knows that the structure of DNA determines inherited traits in organisms.

Knowledge and Skills
Statement

Biology (9) Science concepts. The student knows evolutionary theory is a scientific explanation for the unity and diversity of lifethat has multiple lines of evidence. (Readiness and Supporting Standard) Essence Statement Knows evolutionary theory is a scientific explanation for the unity and diversity of life.

Texas Education Agency Student Assessment Division Fall 2024