**Standard:** Students will analyze the nature of the relationships between structures and functions in living cells.

**Element:** Identify the function of the four major macromolecules (i.e., carbohydrates, proteins, lipids, nucleic acids).

**EQ:** What is the structure and function of nucleic acids and proteins in cells?

Nucleic Acids: molecules made out of nucleotides (DNA, RNA)

## A. Functions of nucleic acids

1. Hereditary information (genetic)

## **B.Structure of nucleic acids:**

## The building blocks of nucleic acids are <u>nucleotides</u>.











