



Genetic Expression

DNA → Proteins



Genetics Intro

-the study of how inheritable characteristics are passed on from generation to generation

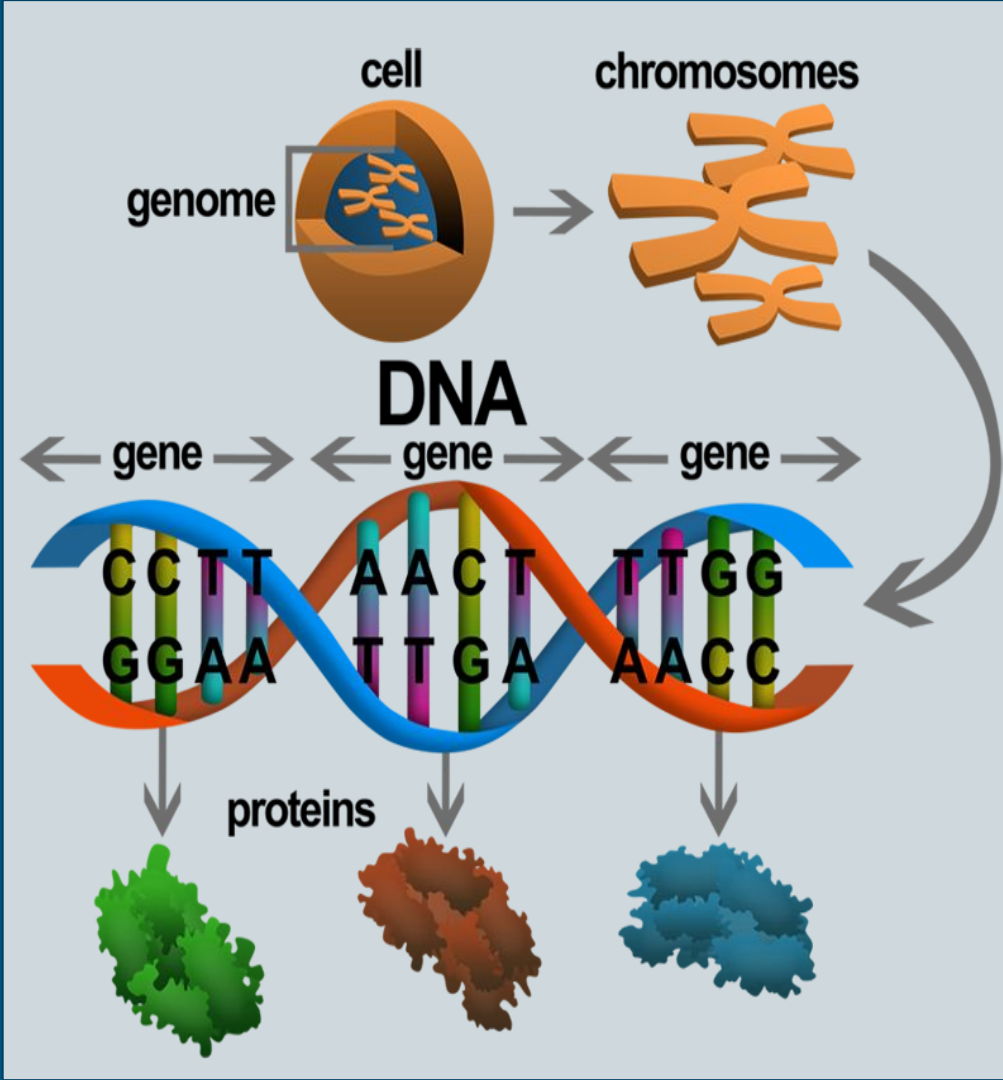
GENES

-are passed on from parents to offspring

-are found on chromosomes

-proteins determine physical and physiological characteristics

-contain information needed to make a protein



DNA to Proteins- class drawing activity

Chromosomes

Gene

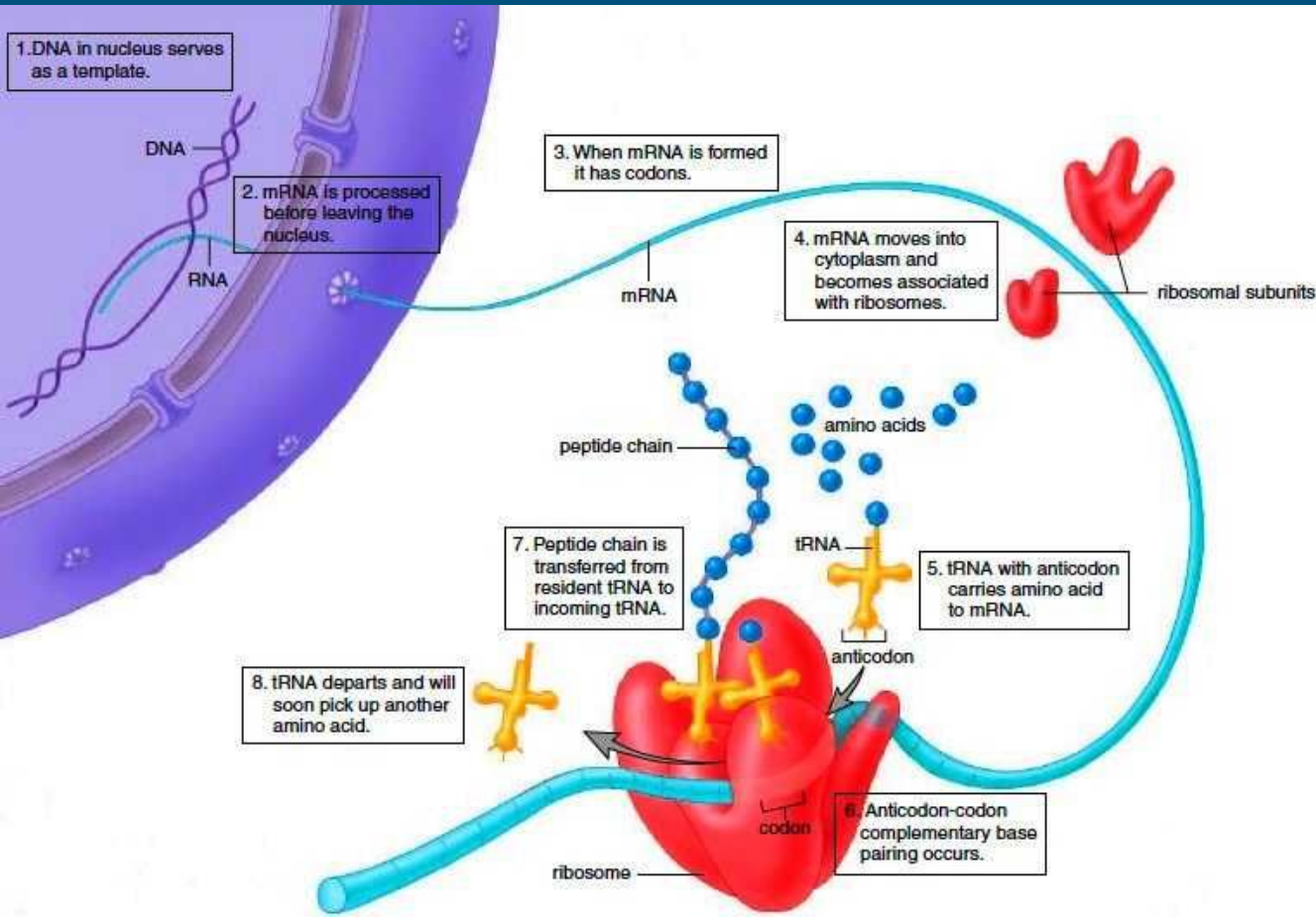
Allele

DNA

mRNA

Proteins

Protein Synthesis



1. The nucleus receives a chemical signal to make a specific protein
2. The DNA message for a specific protein is copied into a small molecule (ribonucleic acid or RNA).
3. RNA leaves through a nuclear pore
4. The RNA message is delivered to the ribosome and the ribosome makes the protein.