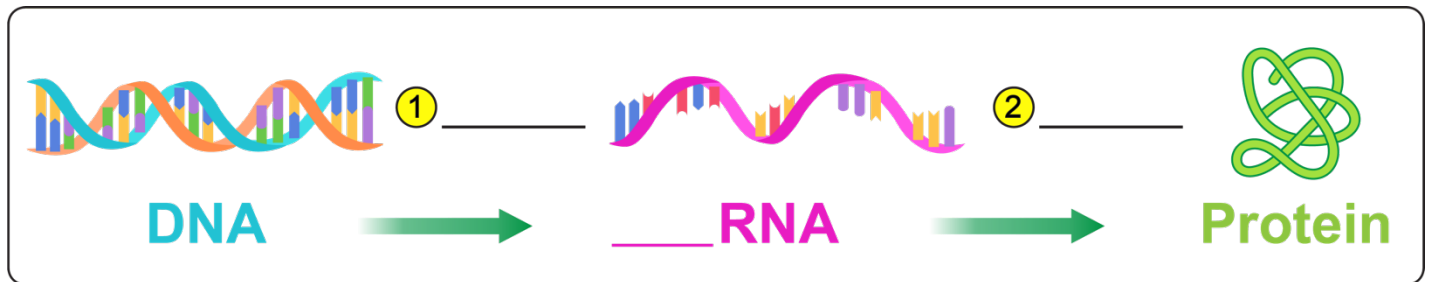


CONCEPT: OVERVIEW OF PROTEIN SYNTHESIS

- The information to synthesize proteins is encoded in the DNA.
 - **Central Dogma:** The flow of _____ information from DNA to proteins through RNA.
 - ① **Transcription:** process that builds _____ using DNA as the coding template.
 - ② **Translation:** process that builds _____ using the information carried by RNA (mRNA).



- Transcription and translation are collectively referred to as _____ expression.

EXAMPLE: Which molecule acts as an intermediate in the process of information transfer from DNA to protein?

- a) Replicated DNA
- b) rRNA
- c) mRNA
- d) tRNA

PRACTICE: Which of the following terms describes the complete process of protein synthesis from genetic information?

- a) DNA replication
- b) Gene expression
- c) Transcription
- d) Translation