

CONCEPT: CENTRAL DOGMA

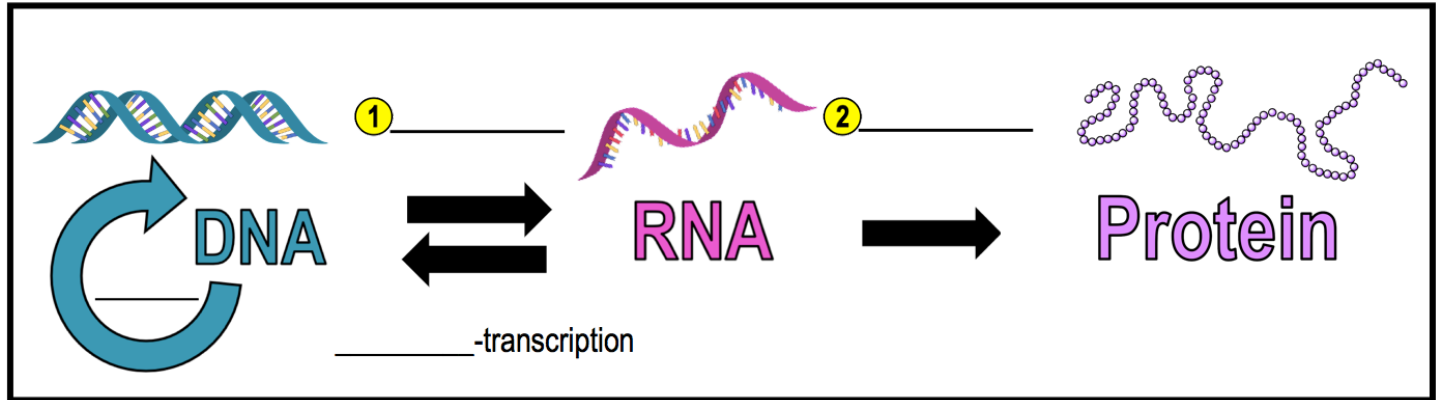
● **Central Dogma** of biology refers to the _____ flow of biochemical info from *DNA* to *protein*.

① **Transcription**: process that builds _____ using DNA as the coding template.

② **Translation**: process that builds _____ using the encoded *messages* of RNA (mRNA).

□ Sometimes transcription & translation are collectively referred to as _____ *expression*.

EXAMPLE: Central Dogma of Molecular Biology.



● DNA is *replicated*; RNA can be _____-transcribed into DNA, but transfer of *nucleic acid* to *protein* is *irreversible*.

PRACTICE: According to the central dogma, what is the intermediate molecule involved in the flow of information in a cell that should go in the blank? DNA → _____ → Proteins

- a) Ribosome.
- b) rRNA.
- c) mRNA.
- d) tRNA.

PRACTICE: The full process by which genotype becomes expressed as phenotype is called:

- a) Transcription.
- b) Translation.
- c) DNA Replication.
- d) Gene expression.