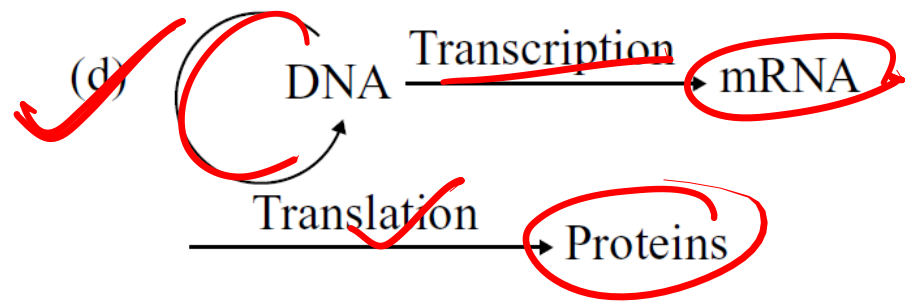
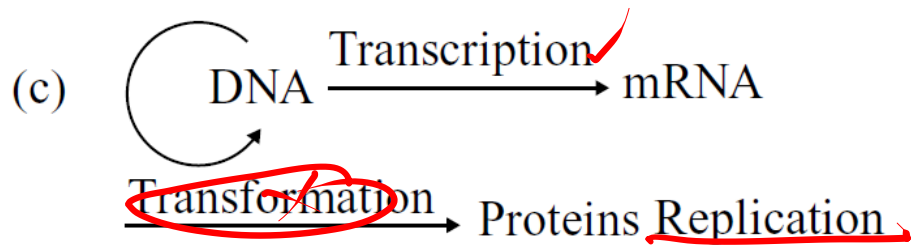
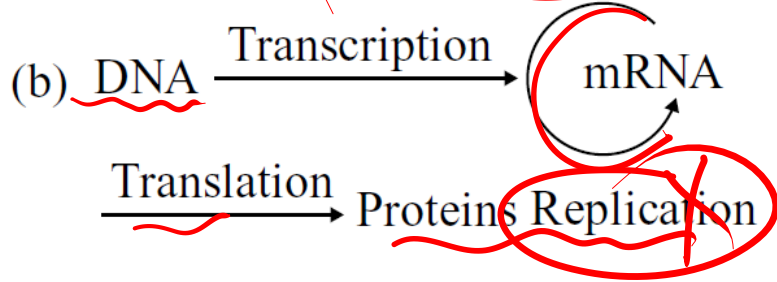
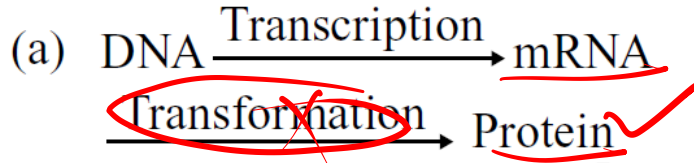


The correct representation of central dogma is as follows:



DNA \rightarrow mRNA

Which of the unusual metabolic process is shown by viruses?

(a) ~~X~~ DNA to RNA

(b) ~~✓~~ RNA to DNA

(c) Proteins to RNA

(d) None of these

SSRNA

DNA → RNA

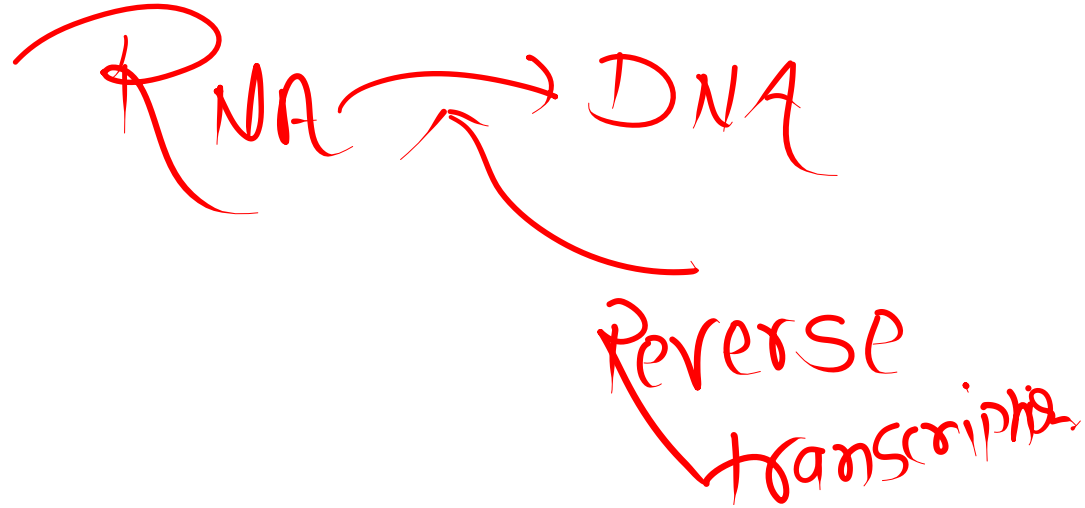
RNA → DNA

protein → RNA

Ribosome
↓
Nucleolus

RNA → DNA is termed as

- (a) Reverse translation
- (b) Reverse replication
- (c) Reverse transcription
- (d) Reverse transformation



The length of human DNA is approximately

- (a) 2.2 meters considering all cells of body
- (b) 3.1 meters considering only one cell
- (c) 2.2 meters considering only one cell
- (d) None of these

2.2 m
 $\div 2 \text{ nm}$
Human DNA = 2.2 m only one cell.

DNA is held together by which proteins in prokaryotes?

- (a) Negatively charged proteins
- (b) Positively charged proteins
- (c) Amphoteric proteins
- (d) Histone proteins

positively charged proteins

Anti-parallel polarity is exhibited by

(a) RNA ~~✓~~

(b) tRNA ✓

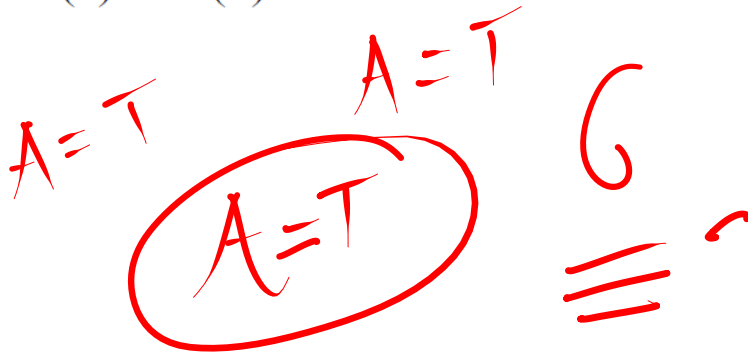
(c) mRNA ✓

✓ (d) DNA ✓

5' 3'

Which of the following holds true in case of DNA?

- (a) $A = T$
- (b) Adenine forms two H-bond with thymine
- (c) Adenine forms one π bond ~~with~~ thymine
- (d) Both (a) and (b)



Three H-bonds is exhibited by which DNA bases in the double helix structure?

- (a) Adenine, Guanine
- (b) Guanine, Cytosine
- (c) Cytosine, Thymine
- (d) Adenine, Thymine



Double helix model of DNA has a pitch of ?

(a) 0.34 nm

(b) 3.4 nm

(c) 34 Å

(d) Both (b) and (c)



Double helix model of DNA
= 3.4 nm
= 34 Å

Double helix model of DNA proposed by

Watson and Crick has how many base pairs
in one turn?

(a) 9

(b) 11

(c) 12

~~(d) 10~~

1	2	3	4	5	6	7	8	9	10
D	B	C	C	B	D	D	B	D	D