

A JOINT VENTURE OF DIET AND SSK, PALAKKAD



INTERBELL

INTERVENTION BASED ON EFFECTIVE LIESURE LEARNING

STUDENT SUPPORT MATERIAL FOR

**STANDARD 10
BIOLOGY**

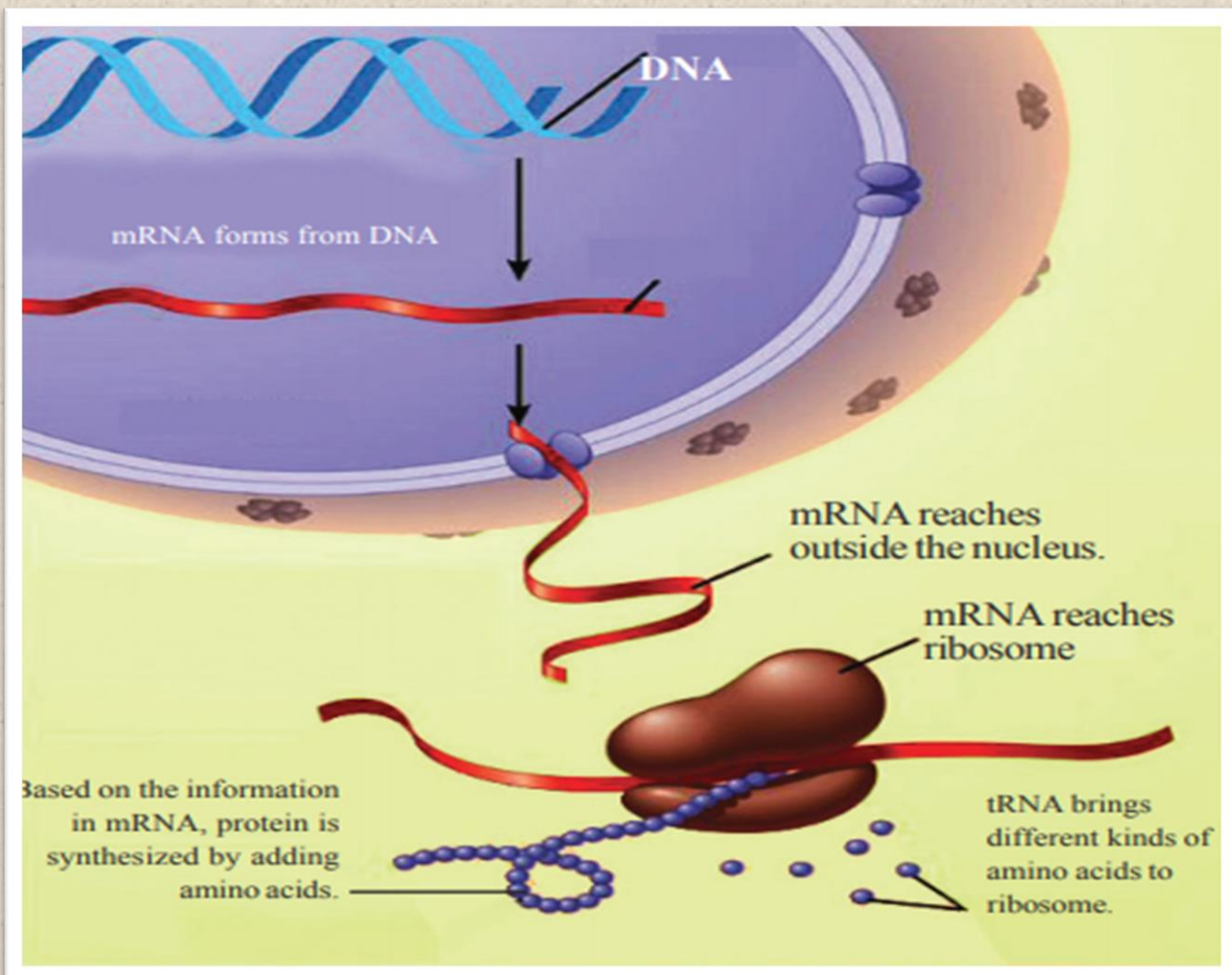
Chapter - 6

**Unravelling Genetic
Mysteries**

**WORKSHEET FOR Class 40-
29th DECEMBER 2020**

Activity 1

Observe the illustration and answer the questions.



- Name the process mentioned here.
- Write down the different steps of this process in correct order.

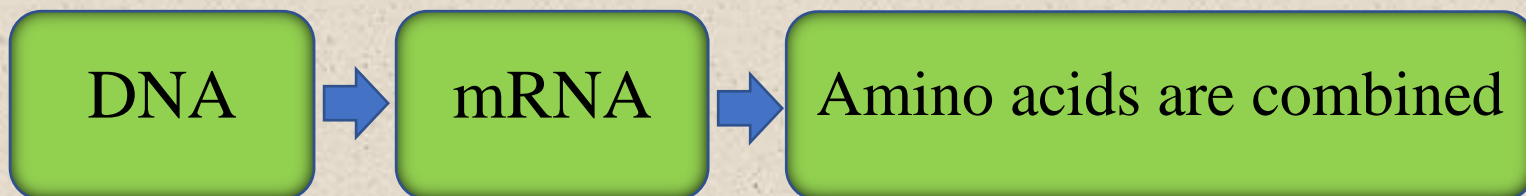
Activity 2

The different stages of protein synthesis are given below. Rearrange them appropriately.

- tRNA carries different types of amino acids to the ribosome.
- mRNA come out from the nucleus.
- mRNA is formed from DNA.
- Amino acids are joined together based on the message in mRNA.
- mRNA reaches the ribosomes.
- protein is synthesized.

Activity 3

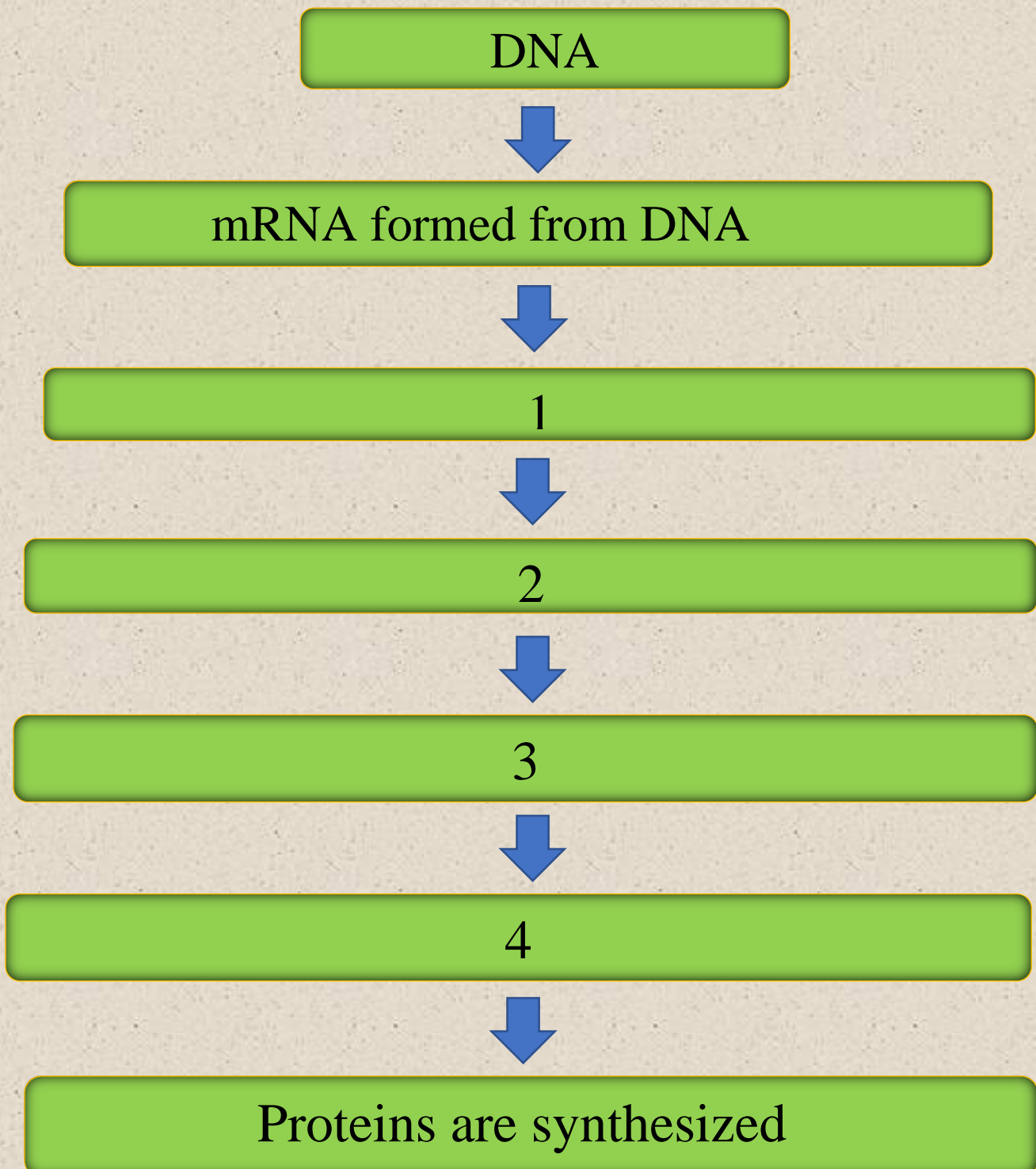
Observe the following illustration and answer the questions



- Identify the process indicated.
- mRNA is considered as the Messenger of DNA. Why?
- Write the role of tRNA and ribosome in this process?

Activity 4

DNA does not participate directly in protein synthesis. Illustrate the process of protein synthesis with the help of flowchart given below



Activity 5

Genes which are the specific unit of DNA controls metabolic activities and are also responsible for specific characters. They control the process of protein synthesis

Raju has a doubt on the above note.

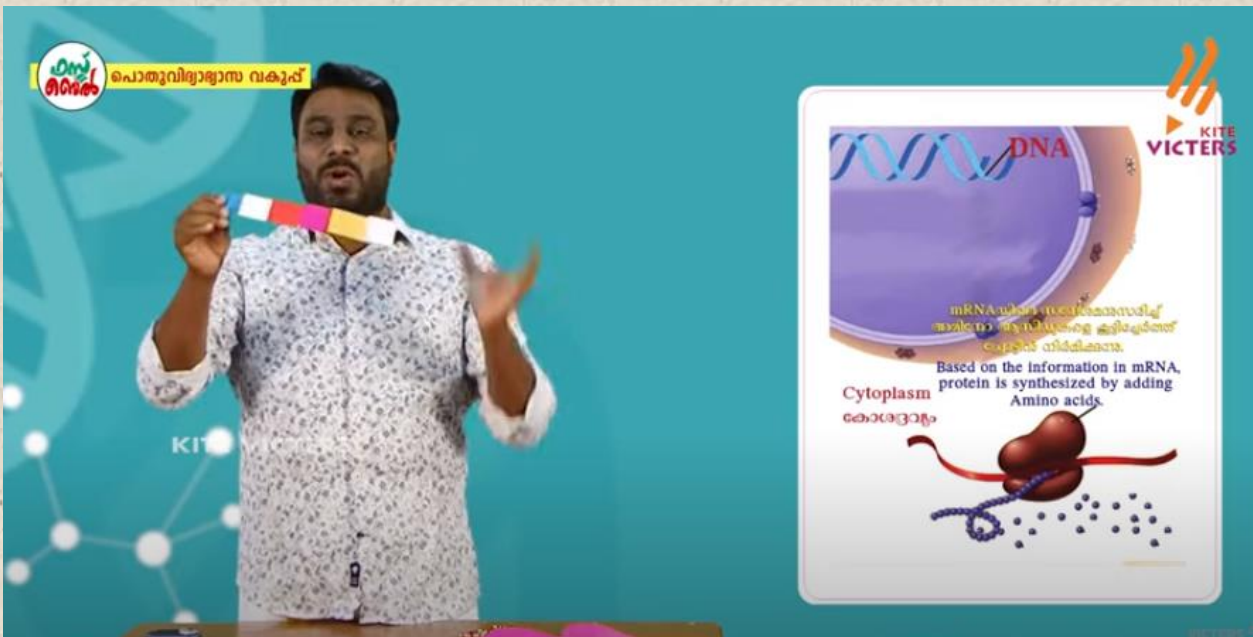
“Does the RNA have any role in protein synthesis”
What explanation would you give to Raju?

Activity-6

What are the different types of RNA involved in protein synthesis and what are their functions?



To watch online Biology class 40, tap on the below image



KITE VICTERS STD-10 BIOLOGY CLASS 40