

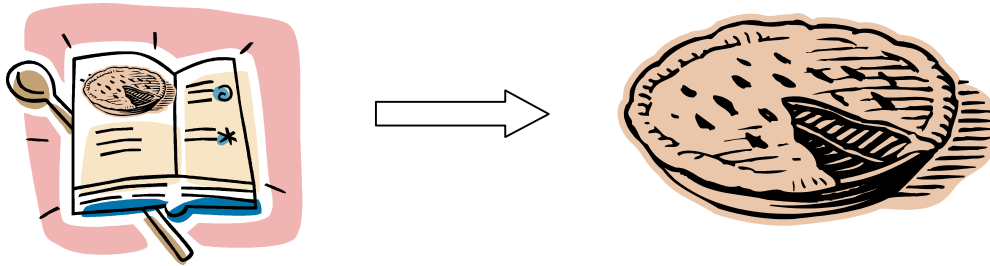
## PROTEIN SYNTHESIS ANALOGY

Imagine there is a huge recipe book (DNA) in the library (nucleus).

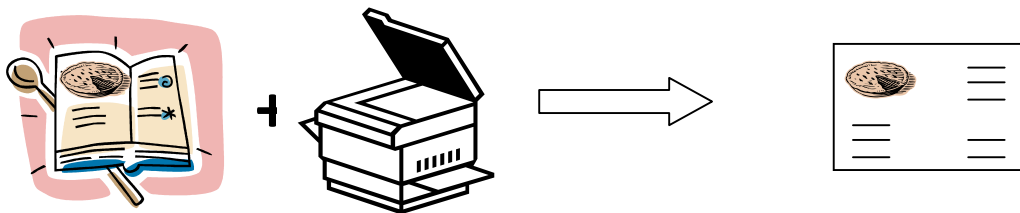


It is forbidden to remove the book (DNA) from the library (nucleus).

You want to make one of the recipes (gene) from the book, a nice apple pie (protein).



You photocopy (make mRNA) the recipe (gene) that you need.



You can take the photocopy (mRNA) out of the library (nucleus) to your kitchen (ribosome) where you turn the recipe (gene) into a nice apple pie (protein).



KEY



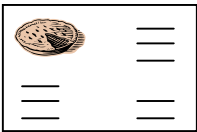
RECIPE BOOK = DNA



LIBRARY = CELL NUCLEUS



APPLE PIE RECIPE = GENE



PHOTOCOPIED RECIPE = mRNA



KITCHEN = RIBOSOME



APPLE PIE = PROTEIN

