

Pts	Nucleic acids metabolism, proteosynthesis	Note
20	Describe the course of translation (chemical reactions, scheme of individual steps)	
15	Describe the formation of aminoacyl-tRNA	
	Describe the reverse transcripton – scheme, importance	
	Describe the basic principle of the gene expression regulation (Monod)	
	Describe the reaction sequence of eukaryotic transcription up to functional product!	
	Describe PCR – steps, reactions!	
	Replication – chemical reactions, substrates	
10	Describe schematically the replication process – individual steps!	
	Describe the synthesis of pyrimidine nucleotides!	
	Describe at least schematically the synthesis of purine nucleotides, substrates, coenzymes!	
	What means maturation of proteins, typical reactions, examples, importance?	
	Describe the catabolism of purines	
5	What are the restriction endonucleases, characteristic reactions, importance, use?	
	What means the genetic code, general description?	