Monday, April 24, 2017 9:27 AM

1. Transcription 2. Translation a) Initiation 6) Eloncation C) Termination 1. TRANSCRIPTION - assemble mRNA thom a section of DNA (gene) that contains the code for I protein. - takes place in nucleus. STEPS: 1 specific section of DNA unwinds, exposing a set of bases 2. Along 1 of the strands of DNA, complimentry RNA bases are brought in. 3. adjacent RNA nuckoticks form sugar phosphate bonds 4. RNA'is released from DNA => messenger RNA 5. MRNA enters cytoplasm (MRNA) 9 À DNA 5 C $\frac{\mathsf{T}}{\mathsf{N}}$ 6 $\frac{C}{\alpha_1}$ 111 complimenty C DNA T G 0 A C <u>(</u> U L M 11 10 111 ЛÌ 111 11 MRNA A C **(**U) G G Α 6 enters #no thymine in RNA ¥ cytoplasm CODON each 3-letter unit of MRNA is called a CODON is codes for i amino acid - chain of amino acids make a Protein -> each copon binds with ANTI-CODON ON +RNA BITRANSIATIONI