1.	Transcription is the process of creating a molecule of from a on the DNA. It is			
	carried out by			
	which indicates the beginning of a, but does not itself for a			
	, so is called a region of DNA with a There are			
	proteins called helping to			
	determine whether or not transcription should occur (, which encourage transcription and			
	, which prevent transcription). This is crucial for expression, to determine			
	whichto copy and when. Transcription will only occur if an			
	is bound to the in the absence of a			
	There are specific sequences to which these proteins bind.			
2.	Once transcription has started, enzyme opens the, by			
	breaking the between complementary It then adds free			
	pairing takes place as normal with the			
	exception of replacing The enzyme moves in the to			
	direction. It reforms the, closing the helix, when transcription is complete.			
3.	An molecule consists of of bases called These have the			
	same meaning in all organisms.			
4.	A strand of DNA could read as below. Transcribe the correct strand in the space between them.			
	- ATGCACAGGATACTA - Sense strand			
	- TACGTGTCCTATGAT-Anti-sense strand			
5.	In,, expression is also controlled in part by,			
	which are proteins with wrapped around them. They allow the			
	DNA molecules to be They can un-coil themselves at certain			
	, thereby facilitating expression.			

6.	Also, in, the ur	dergoes	modification, which	
	is the removal of non-coding segments called The coding sections are called			
	This can also be called	and increased the	of	
	that an organism can ma	ke.		