Marsa				
Name:				

RNA PRACTICE—WORKSHEET

Complete the statement using one of the following terms:

Ribose	Adenine	Nucleus	
Phosphate	Uracil	Cytoplasm	
Nitrogenous base	Guanine	Transfer RNA	
Transcription	Cytosine	Nucleotides	
Ribosomal RNA	Messenger RNA		
Thymine	Translation		

1.	The sugar found in RNA is called
2.	In RNA, guanine bonds to
3.	This nitrogenous base is not found in RNA
4.	This type of RNA brings amino acids to the ribosome during translation
5.	Transcription takes place in the
6.	In RNA, adenine bonds to
7.	This type of RNA makes up the ribosome and is the site of protein synthesis
	······································
8.	This process is also known as protein synthesis
9.	The monomers of RNA are
10	Protein synthesis takes place in the
11	This type of RNA carries the instructions for making proteins
	· · · · · · · · · · · · · · · · · · ·

ne:		······································									Period:	
			Ce	ntral	Dogm							
Whic	h nitro	genous bases are	found in	DNA?		4	. Desc	ribe two	ways in	which I	RNA diffe	ers from I
Whic	h base	is found in RNA b	ut not D	NA?								
In wh	ich par	t of a cell does tr	anscript	ion ocçu	r? - ⁻	5	. Whe	n makin	g mRNA	, adenin	e bonds	to which
		U	se the I	DNA be	ow to 1	ranscri	be the	mRNA s	trands.			
		DINA 9	С	G	Т	A	С	G	T	С	Α	G
	6.	in RINA										
		DINVAN	G	A	С	A	G	T	С	Α	G	Α
	7.	TOPANYA										
Ē		-avaid) WAV.	A	T	G	Α	С	С	С	Α	G	G
	8.	MANA						•				
Γ		SEJDINIAN.	A	Т	G	A	С	С	Α	Т	G	Α
	9.	miranya.										
r		a BYNYĀN.	Α	G	G	A	T	T	С	A	С	Α
	10.	**************************************										
-		(010)14					€ € .					
		Use t	he mRN	NA stran	ds belo	w to re	verse t	ranscrik	e the D	NA.		
Γ		ANIQUE CONTRACTOR		<u> </u>				Ī				
	11.	THE INVAL	G	G	Ü	Α	С	U	A	C	С	G

C

U

C

G

C

A

A

G

U

C

A

U

A

U

G

A

C

U

G

Ç

G

G

U

A

U

A

A

U

U

Ç

G

A

A

A

C

A

G

U

U

U

12.

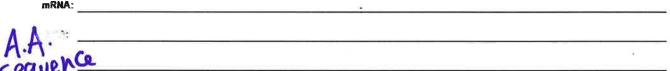
13.

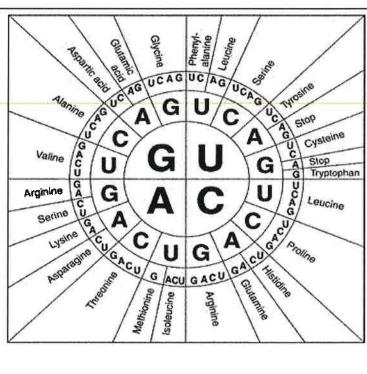
14.

15.

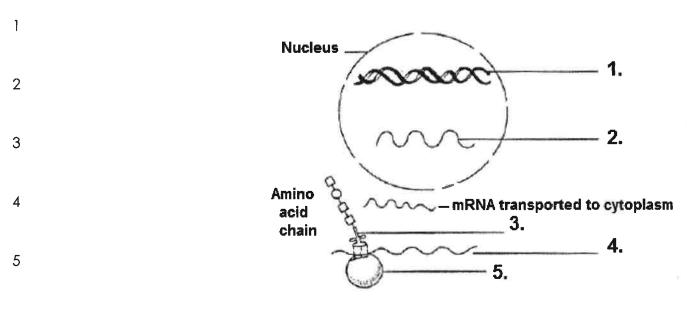
AVITATION AND THE PROPERTY AND THE PROPE

Name	e:			=======================================			÷				
			信息媒体	RNA P	RACTICE	E—WOR	KSHEET #	‡ 5			
	synthesis is I trace the A. Transcri Protein syr During trai of a comp the ribosol will be ass	steps tho lption athesis be ascription blimentar me. Code	egins with messeng y RNA stra ons are a	Ived in p DNA in th Jer RNA (Jind. Then 3 nucleo	rotein synne nucleu mRNA) re the mRN tide sequ	thesis. Is. Transcreads and IA carries Lence in c	iption tak copies DN the DNA's	es place NA's nucle s informa strand. A	in the nuc eotide sec tion in the	cleus of th quence in form of c	ne cell. In the form Codons to
	is a DNA se equence.	equence.	Write the	sequenc	e of mRN	A codons	s that wou	ld result (irom the t	ranscripti	on of the
DNA:	1 ACA	2 ATA	3 TAG	ctt	5 TTG	6 ACG	7 GGG	8 AAC	CCC 9	10 ATT	
mR N A	B. Translati	n takes plantal takes plantal takes a take take take take takes take take take take take take take take	a molecul he codor anticodor tRNA brin	e made ns of mRN n will bind g amino	up of 3 nu IA. Attact I to a spe	ucleotide hed to the cific mRN	s called a e tRNA ar A codon	nticodor iticodons and brin	ns. Anticoo are aming with it th	dons are no acids. I ne specifi	c amino
	your mRN on your mF								the seque	ence of a	mino acids
mRNA:					2						





Label the following diagram of Protein Synthesis.



Answer the following questions about Protein Synthesis.

List all of the molecules in the process transcription.

Transcription takes place on the ______.

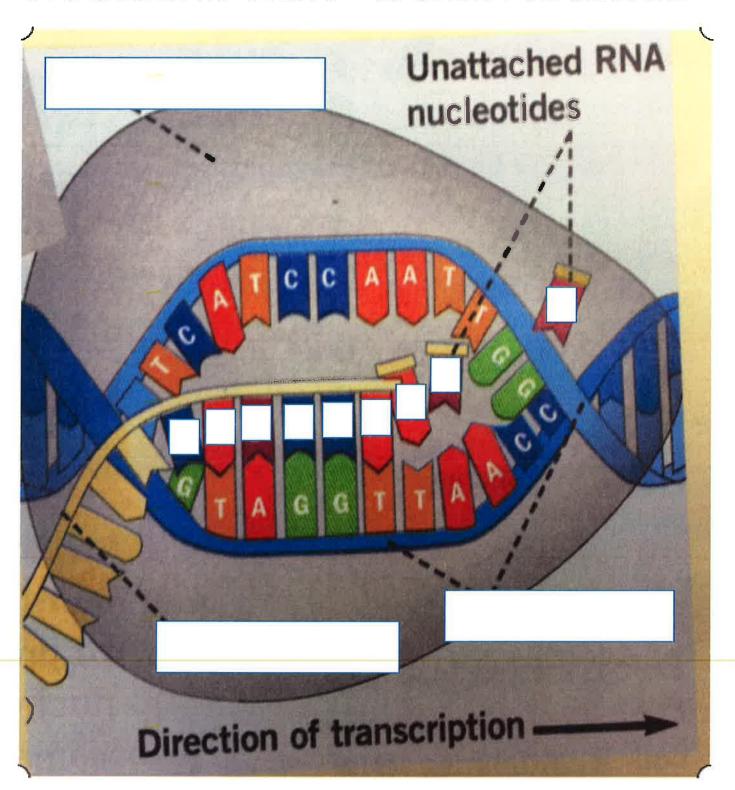
List all of the molecules in the process translation.

Translation takes place in the ______.

Why do cells need protein synthesis to occur?

Name:	per.
varie.	pci.

TRANSCRIPTION: LABEL PRACTICE



TRANSLATION: LABEL PRACTICE

