actually unstable when they contain inserts of less than

this "DNA" version also contains an enormous amount of

23. Although it's not the "micro" variety used in computers,

100,000 bp.

information.

SELF-TEST

Do You Know the Terms?

	iou imon mo iom	.01																				
ACR	OSS									1				2						12		
1	Vectors of choice for													-						3		
1.	medium-size DNA						4															
	fragments.	5		6						T					[7						
5																						
5.	One approach to																					
	mutagenesis is to															F	8				9	-
	use an oligonucleotide					10																
	primer containing an					10																
	altered base for the																					-
_	synthesis of a duplex DNA.	12						1	10													
1.	The new, improved	12							13											14		
	product of two fused genes											10										-
_	is a protein.				-					4												
8.	Small, circular, extrachro-																					
	mosomal DNA molecule.																					
10.	Viral are often			15						T											-	
	modified retroviruses.													lani.								
12.	A genomic con-																					
	tains more information			16				17						П								STATE OF THE STATE
	than its largest "homolog"																					
	at any university.																					
13.	Synthetic DNA fragment						18					19										
	with recognition sequences	Г	20			, 1																
	for several restriction		20																			
	endonucleases.									21											J	
15.	These cleave DNA at																					
	specific base sequences;																					
	the scalpels of molecular													22				23				
	biology. (2 words)										+						-			.4.4		
16.	In bacteria, event induced																					
	by a cold, calcium chloride											24										
	bath followed by heat shock																					
10	or a strong jolt of electricity.		Kezau								, L						L					
	Natural genetic engineer in pla																					
20.	Synthetic DNA, complementar	y in s	sequei	nce to	an	RNA														words		
-	template. (abbr.)							1	10.			vect	tors	are	the e	equiv	vale:	nt of	a mo	olecula	ar	
21.	Describes ends of DNA fragme	nts th	hat ha	ve no	ove	rhan	g.			"syrin												
23.	To or not to							1	13.												activity	
	everyone in biochemistry is doing it! (Hint: to make an								of a heat-stable polymerase $(TaqI)$ isolated from													
	identical copy of an organism, a cell, or a DNA segment.)									hot-s						-						
	(1 word)							1	4.						afish	in I	igu	ire 9	-33 is	an ex	ample	
	Describes composite DNA mol	ecule	es cont	tainin	g Di	NA				of a _												
	from two or more species.							1	7.	Restr	rictio	on e	ndc	nucl	ease	s tha	at m	nake	stagg	gered (cuts	
0111	Tark on they propose of our									produ												
10W	N - A TANA A							1	9.	Follo	wing	g ele	ectro	opho	resis	, pro	teir	ns ca	n be	identif	ïed usin	g
2.	A self-replicating DNA plasmic	l that	conta	ine a	n in					antibo	odie	s in	a W	ester.	n blo	t, ml	RNA	can	be id	entifie	d using	
	ducible promoter and a polylir																				nts can	
	vector.	ICI I	о сапе	u a(II	.)		-			be ide												
0	C /: 11 /1							2	2.	Used	for	clor	ning	gen	omic	DN	A, t	hese	vect	ors ar	е	

in both *E. coli* and *S.cerevisiae*. (2 words) **6.** Shocking technique that makes cells transiently permeable to DNA.

to specific DNA sequences.

3. Contains all the genetic information to make an organism.

4. Radioactive DNA fragment that can ferret out and bind

5. Self-replicating piece of DNA that is capable of surviving