Name	::			_	
	Genetic En	gineering – Pr	actice what	you know	
1. In whi	ch Zways can we "change" ti	ne genome of an organis	m?We can deli	ete or odd genes	to the genome of
an ongani	em.				
	is a transgenic organism?	An organism with a g	ene from a differe	nt species	
3. What	is a clone?Genetically	identical organism			
Teels :	Cutting the DNA				
4. What	is a restriction enzyme?	An enzyme that out	s DNA at specific		
locations					
5.What a	faces this figure to the right	show?		A	
	lectrophoresis				
100	sequencing		THE HELD IN	AMAGAI II II II II II II	
c. ares	triction enzyme producing a	DNIA fragment	" nhaaa		
d. polyn	nerase chain reaction				
Datem	on which nucleotides is the D	NA OUT?			0.5%
	ne and thymine	as the territory		0.40	· C
	tine and quantine	279		processor and the second	
c. thym	ine and cytosine	68	UURRAAA	FILLINGER	यान करात
d. adeni	ne and guanine		DODG BOOK		DUERRO
			The contract of		COLOR
Th	is is the cutting patte	rn of 2		2	
res trict	tion enzymes:	ai tradiliziia			
	co R1	Sma 1			

GAATTC CTTAAG

CCCGGG GGGCCC

6. Cut the following piece of DNA using the restriction enzyme Eco R1.

GCCGGGGCATG AATTCGCGTATCGTG AATTCTGGGCCCATCAG AATTCAA CGGCCCCGTACTTAAIGCGCATAGCACTTAAIGACCCGGGTAGTCTTAAIGTT

7. How many fragments of DNA do you get?

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D Siedentop

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