Biotecinology

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Important Terms to Know:

- 1. Restriction Enzyme:
- 2. Sticky End:
- 3. Plasmid:
- Transgenic Organism:

Uses for Transgenic Organisms:

Agriculture:

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RFLP:

	5	
	Everyone has these sections of DNA but the	,
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	9	
CLT	DNA	
ther	but	
cut them into	the	is.

The way your DNA cuts is specific to

How do we see the pieces?

Gel Electrophoresis

- 6. Separates DNA according to the ______
 of the pieces (fragments)
 7 DNA is put into a _____like
- 7. DNA is put into a ______like substance and an _____charge is applied.
- 8. Since DNA is negatively charged which direction will it move?
 9. ______pieces get "stuck" in the gel
- further.

 10. This makes a

 to each person

 "unique

Uses:

- a. Matching DNA at a scene
 i. Where would you find DNA?
- i. How?
- relatedness

Biotechnology

Human Genome Project (HGP)

Step 1:

What is it?

Accomplished using:

Why was it done?

Gene Therapy:

What is it?

Cloning:

What is it?

Accomplished using:

Step 2:

Step 3:

Why use stem cells?

Ethical Considerations: